FILE NOTATIONS

Entered in N I D File .....
Entered On S R Sheet .....
Location Map Pinned .....
Card Indexed .....
I W R for State or Fee Land .....

Checked by Chief .....
Copy N I D to Field Office .....
Approval Letter .....
Disapproval Letter .....

COMPLETION DATA:

Date Well Completed 1/29/59
OW ✓ WW ..... TA .....
GW ..... OS ..... PA .....

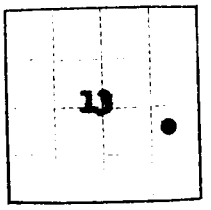
Location Inspected .....
Bond released
State or Fee Land .....

LOGS FILED

Driller's Log .....
Electric Logs (No.) .....
E ..... I ..... E-I ..... GR ..... GR-N ..... Micro .....
Lat ..... Mi-L ..... Sonic ..... Others .....

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 065342
Unit Brennan Federal

Pending Bottom

ORIGINAL FORWARDED TO CASPER

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 12, 19 53

Well No. 1 is located 1980 ft. from [N/S] line and 660 ft. from [E/W] line of sec. 13

Center NE SE Sec. 13 (¼ Sec. and Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is - ft. Will furnish later.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The well is to be a test of the Green River Formation and upper 600' of Wasatch formation. Estimated total depth is 8000'. We plan on setting 60' of 20" conductor pipe, cemented to the surface; 600' of 13-3/8" OD surface casing, cemented to the surface; and 7" OD oil string casing on top of producing formation if encountered. submit design before running

The well is to be designated as our Brennan Federal Well No. 1.

(APPROVAL IS CONDITIONAL UPON COMPLIANCE WITH THE TERMS ATTACHED HERETO)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Ave.,

Casper, Wyoming

By L. A. Spencer

Title Ass't. Dist. Supt.

U. S. GOVERNMENT PRINTING OFFICE 16 - 84374

Budget Bureau 42-R358.2.
Approval expires 12-31-52

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake

Lease No. 065342

Unit Brennan Bottom

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY Subsequent Report-Set Surface Csg. X
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 8, 1953

Well No. 1 is located 1980 ft. from [X] S line and 660 ft. from [X] E line of sec. 13

Center NE SE Sec. 13 (¼ Sec. and Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is - ft. Will furnish later.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total Depth 72'. Ran 71' 20" OD 65.71# conductor pipe and cemented with 97 sacks Ideal Regular Portland Cement. Found top of cement at 54'. Re-cemented down outside of pipe with 168 sacks Ideal Regular Portland cement. Cemented to surface.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Ave.

Casper, Wyoming

By

Title Area Superintendent

Approved JUL [illegible]

(Original Signed) H. C. Scoville

GOVERNMENT PRINTING OFFICE 16-84437-4

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JUL 14 1953

RECEIVED
JUL 16 1953

ORIGINAL FORWARDED TO CASPER

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report of Surface Csg Set X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 11, 1953

Well No. 1 is located 1980 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 13

Center NE SE Sec. 13 (¼ Sec. and Sec. No.) | 7-South (Twp.) | 20-East (Range) | SLBM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is - ft. Will furnish later.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

T.D. 658' - 12-1/4" hole, reamed to 17-1/4" to 640'. Ran 21 joints, tally 621', 13-3/8" OD 48#, 8 RT, Gr. H, Seamless Steel Casing; set at 637'. Cemented by HOWCO with 660 sacks Ideal Regular Portland cement. Cement circulated.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Avenue

Casper, Wyoming By

Approved JUL 1 [illegible] 1953 Title Area Superintendent

(Orig. Sgd.) H. C. Seppie

F/C

Budget Bureau 42-R358.2.
Approval expires 12-31-62.

Form 9-331a
(Feb. 1951)

13

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

RECEIVED
JUL 27 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report - DST #1	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 23, 1953

Well No. 1 is located 1980 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 13

Center NE SE Sec. 13 — 7-South — 20-East — SLBM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat — Uintah — Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4839 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

T.D. 3313'. Drill stem test #1 run by Johnston Testers with 8" packer set at 3285'. Tool was open 2 hrs. Gas to surface in 20 min. - too small amount to measure. Shut in 20 min. for build up. Recovered 30' drilling fluid. Hydrostatic - 1700 psi; F.P. - 25 psi; BUP - 25 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Avenue

Casper, Wyoming

By

Title Area Superintendent

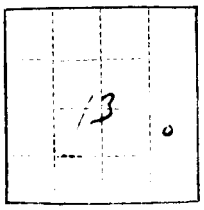
Approved JUL 28 1953

District Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—8437-4

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ORIGINAL TO SALT LAKE CITY TO CASPER

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

RECEIVED
JUL 29 1953
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report - DST #2 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 27, 1953

Well No. 1 is located 1980 ft. from [N/S] line and 660 ft. from [E/W] line of sec. 13

Center NE SE Sec. 13 (¼ Sec. and Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

T.D. 3589'. Drill stem test #2 run by Johnston testers with 8" packer set at 3490'. Tool was open 2 hrs. and shut in 20 min. No gas to surface. Recovered 270' of drilling fluid which was very slightly oil cut. Hydrostatic - 1850 psi; IF - 20 psi; FF - 180 psi; SIP - 220 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Avenue

Casper, Wyoming

By L. C. Spence

Title Assistant Area Superintendent

Approved JUL 29 1953

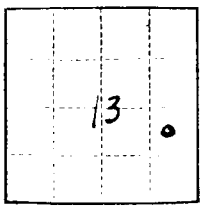
District Engineer

U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
AUG 6 - 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report DST #3	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 30, 1953

Well No. 1 is located 1980 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 13

Center NE SE Section 13 (¼ Sec. and ¼ Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 3860' Drill Stem Test #3, run by Johnson Testers Inc. with 8" packer set at 3836'. Tool open 1 hour 5 minutes, shut in 20 minutes for buildup pressure. Had fair blow of air, diminished and died at end of test. Recovered 1000' of drilling fluid. No show of oil or gas. Pressures: Hydrostatic - 1950 psi; Initial Flow - 290 psi, Final Flow - 490 psi; Build-up - 1745 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Ave.

Casper, Wyoming

By L. R. Spence
L. R. Spence
Title Ass't. Area Superintendent

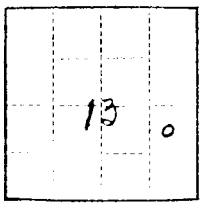
AUG 1 1 1953

U. S. GOVERNMENT PRINTING OFFICE 16 8437-4

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORM TO BE FILED

RECEIVED
AUG 14 953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report - DST #4 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 9, 1953

Well No. 1 is located 1980 ft. from [N] line and 660 ft. from [E] line of sec. 13

Center NE SE Sec. 13 (¼ Sec. and Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #4, made 3 runs, could not get packers to hold. 1st run TD 4266', 8" packer 4139'; 2nd run TD 4266', 8" packers 4128' and 4121'; 3rd run TD 4266', 8" packers 4111' and 4104'. Ran Schlumberger Log and Caliper Log. Made 4th run, TD 4284', 8-1/2" packer at 4079' and 8" packer at 4072'. Tool open 3-1/2 hours. Shut in 20 mins. for buildup. Gas to surface in 15 mins. Measured as follows: 20 mins. 9450 cu. ft. day; 25 mins. 7090 cu. ft. day; 29 mins. 5490 cu. ft. day; 50 mins. 4710 cu. ft. day; 55 mins. 4150 cu. ft. day; 60 mins. 2720 cu. ft. day. Well dead in 1 hr. 27 mins.; then made several heads of gas as follows: 1 hr. 32 mins. 1570 cu. ft. day; 1 hr. 37 mins. 9440 cu. ft. day; 1 hr. 42 mins. 1570 cu. ft. day. Dead at end of 3 hrs. Recovered 655' gas cut drilling fluid with very slight traces of black asphaltic oil and a few very slight traces of light green waxy oil. Hydrostatic pressure 2070 psi; Initial flow pressure 310 psi; Final Flow pressure 360 psi; Buildup pressure 480 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Ave.

Casper, Wyoming

By Lester LeFavour

Title Area Superintendent

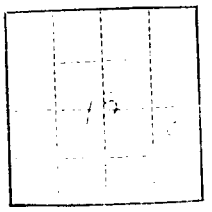
Approved AUG 20 1953

(Original Signed)

U. S. GOVERNMENT PRINTING OFFICE 16—8437-4

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

SEP 17 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report-DST #5 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 17, 19 53

Well No. 1 is located 1980 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #5. TD 4756', 8" packer 4708', tool open 1-1/4 hours, weak blow, died in 8 minutes. Shut in 20 minutes for buildup pressure. Recovered 20' drilling fluid. Hydrostatic Pressure 2275 psi; Initial Flow Pressure - zero; Final Flow Pressure - zero; Shut In Pressure - zero.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Ave.

Casper, Wyoming

By

Title Area Superintendent

SEP 17 1953

GOVERNMENT PRINTING OFFICE 16—8437-4

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

SEP 16 '53

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report DST #6 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 26, 19 53

Well No. 1 is located 1980 ft. from [N/S] line and 660 ft. from [E/W] line of sec. 13

C NE SE Sec. 13 (¼ Sec. and ¼ Sec. No.) | 7-South (Twp.) | 20-East (Range) | SLBM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #6.
TD 5532', 8" packer 5350', 182' anchor, open 3 hrs., gas to surface in 1 hr. 5 mins. shut in 20 mins. Recovered 330' drilling mud and water, spotted with heavy black oil; 2670' salt water. Entire fluid column gas cut. In 5 min. after gas reached surface measured

5 min.	6000 cu. ft./day	1 hr. 15 min.	5390 cu. ft./day
10 min.	5590 cu. ft./day	1 hr. 30 min.	4960 cu. ft./day
15 min.	5160 cu. ft./day	2 hr.	4740 cu. ft./day
20 min.	5970 cu. ft./day		
30 min.	5970 cu. ft./day	IF 240 psi	
40 min.	4160 cu. ft./day	FF 1410 psi	
50 min.	6160 cu. ft./day	SU 2280 psi	
1 hr.	5590 cu. ft./day	Hyd 2680 psi	

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company GULF OIL CORPORATION

Address 134 E. Midwest Avenue

Casper, Wyoming

By

Title Area Superintendent

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

SEP 16 '53

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report-DST #7 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 28, 1953

Well No. 1 is located 1980 ft. from [N/S] line and 660 ft. from [E/W] line of sec. 13

C NE SE Sec. 13 (¼ Sec. and ¼ Sec. No.) | 7-South (Twp.) | 20-East (Range) | SLBM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #7, 5680', 8" packer 5589'. Tool open 2 hrs., shut in 20 mins. Had weak blow to surface, died in 30 min. Weak blow resumed after 48 mins., died again after 56 mins. Rec. approx. 1 gal heavy asphaltic oil and 50' of drilling fluid. Hyd. Press. 2710 psi, IF 120 psi, FF 120 psi, BUP 120 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Avenue

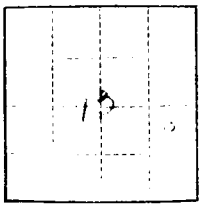
Casper, Wyoming

By

Title Area Superintendent

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

SEP 16 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report DST #8 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 4, 1953

Well No. 1 is located 1980 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 13

C NE SE Sec. 13 (¼ Sec. and ¼ Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #8 by Howco, 8" packer 6285', TD 6430'. Tool Open 3 hrs., Shut In 20 mins. Opened with faint blow, continued thruout test. Recovered 30' oil cut mud with heavy green oil and 110' drilling mud. Hyd. 3008 psi, IF 60 psi, FF 60 psi, SIP 120 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Avenue

Casper, Wyoming By

SEP Title Area Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

SEP 16 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report DST #9 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 9, 1953

Well No. 1 is located 1940 ft. from [N/S] line and 660 ft. from [E/W] line of sec. 13

C NE SE Sec. 13 (¼ Sec. and ¼ Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #9 by Johnson, 8" packer 6730', TD 6760', Open 2½ hrs., shut in 20 mins. Strong blow thruout test, no gas to surface. Recovered 370' oil and gas cut mud, no free oil. Hyd. 3380 psi, IF 60 psi, FF 160 psi, SIP 780 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Avenue

Casper, Wyoming By

Title Area Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16 5437 4

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

SEP 16 953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report DST #10 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 13, 19 53

Well No. 1 is located 1980 ft. from [N/S] line and 660 ft. from [E/W] line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) | 7-South (Twp.) | 20-East (Range) | Slbm (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #10, by Johnson TO 7008', 8" packer 6865'. Open 4 hrs. 10 mins., shut in 20 mins. Gas to surface in 24 mins. Recovered 1455' (16.46 bbls.) 27.6° gravity oil corrected to 60°, 3% mud. 120' oil cut mud on top of oil. Lower Green River formation. IF 250 psi, FF 710 psi, buildup pressure 1760 psi, hydrostatic pressure 3530 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Avenue

Casper, Wyoming By

Title Area Superintendent

GOVERNMENT PRINTING OFFICE 16-2437-4

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake
Lease No. 06534
Unit Brennan Bottom

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

OCT 19 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report DST #11 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 15, 1953

Well No. 1 is located 1980 ft. from ~~N~~ (S) line and 660 ft. from (E) ~~W~~ line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) | 7-South (Twp.) | 20-East (Range) | SLBM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 7110', 8" packer 7005', open 1-1/4 hours, shut in 15 minutes. Weak blow, dead in 35 minutes. Recovered 135' drilling mud, trace of oil. IF 140 psi, FF 140 psi, SIP 165 psi, Hydrostatic pressure 3720 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Ave.

Casper, Wyoming By

Title Area Superintendent

George T. Boynton
Acting

U. S. GOVERNMENT PRINTING OFFICE 16 8437-4

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

RECEIVED
OCT 19 1953
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report DST #12 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 24, 1953

Well No. 1 is located 1980 ft. from XXX S line and 660 ft. from E XXX line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 7462', 145' anchor, 8" packer 7317'. Open 1 hour 20 minutes. Moderate weak blow, dead in 45 minutes. Shut in 20 minutes. Recovered 240' drilling mud. IF 150 psi, FF 150 psi, SIP 380 psi, Hydrostatic pressure 3800 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. M[illegible]

Casper, Wyoming

By

Title Area Superintendent

OCT 2 3 1953

George Bystrom, Acting District Engineer

GOVERNMENT PRINTING OFFICE 16—8437-4

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)

13

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

OCT 19 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report-Run Oil String Casing X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 9, 1953

Well No. 1 is located 1980 ft. from [N/S] line and 660 ft. from [E/W] line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) | 7-South (Twp.) | 20-East (Range) | SLBM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 8000'. Ran 50 jts 7" OD 23# 8 RT S-80 Rge 3, short T&C Class B Casing, tally 2283'; 66 jts 7" OD 23# 8 RT J-55, Rge 3, long T&C Class A Casing, tally 2607'; 84 jts 7" OD 23# 8 RT J-55 Rge 2, long T&C Class B, tally 2687'. Totals: 200 jts, tally 7577'. Casing set 7591', H-14'. Cemented by HOWCO with 375 sacks Ideal slow set cement. Pumped plug to 7495'. Job started 8:50 p.m., complete 10:25 p.m. Ran 60 scratchers and 10 B-W casing centralizers from 7591' to 6750'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address 134 E. Midwest Ave.

Casper, Wyoming

By George H. Byerly

Title Area Superintendent

U.S. GOVERNMENT PRINTING OFFICE 16 54127-4

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)

13

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake**
Lease No **065342**
Unit **Brennan Bottom**

NOV 12 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING (Perforating) X
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 12, 1953

Well No. 1 is located 1980 ft. from S line and 660 ft. from E line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PBTD 7495'. Displaced mud in hole with water; then with oil. Perforated casing by Lane-Wells from 7310' to 7328' with 4 jet shots per foot. Ran tubing with Baker PNT tool set at 7280'. Swabbed perforations 5-3/4 hours, no fluid entry into hole.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address P. O. Drawer 2089

Casper, Wyoming

By

Title Assistant Area Superintendent

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)

Land Office Salt Lake

Lease No. 065342

Unit Brennan Bottom

13

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
NOV 12 1953
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report-Sand-Oil Treat X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 13, 1953

Well No. 1 is located 1980 ft. from ~~N~~ S line and 660 ft. from E ~~W~~ line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) | 7-South (Twp.) | 20-East (Range) | SLBM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PBTD 7495', treated through perforations 7310' to 7328' with 3000 gallons #5 fuel oil and 3000# sand. Breakdown pressure 2100 psi, maximum input pressure with sand was 2600 psi. No increase in pressure when sand hit formation face. Final pressure 2600 psi. Shut well in at 1600 psi at 6:45 p.m.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address P. O. Drawer 2089

Casper, Wyoming

By

Title Assistant Area Superintendent

NOV 1 [illegible]3

GOVERNMENT PRINTING OFFICE 16-36824-4

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)

13

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

NOV 12 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY Subsequent Report-Sand Oil Treat X
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 21, 1953

Well No. 1 is located 1980 ft. from N/S line and 660 ft. from E/W line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PBTD 7495'. Started to treat interval 6980' to 7000' with mixture of 3000 gallons oil and 3000 lbs sand. Pumped in crude at 2500 psi, no break down. Started sand and oil at 3000 psi. With 60 bbls mix in hole pressure increased to 4400 psi. Pressure dropped to 3900 psi and climbed immediately to 4400 psi. With 7 bbls displacement in tubing, pressure went to 5500 psi, continued to pump at intervals for period of 2 hrs with maximum pressure of 5700 psi. Displaced 47 bbls or 1974 gallons of oil and sand into formation. (This was total displacement fluid in 2 hrs.) Reversed remaining 25 bbls to reserve pit. Total load 136 bbls. No back flow after treatment. Rigged up to swab. Recovered 57 bbls in 7 hrs.

Understood that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address P. O. Drawer 2089

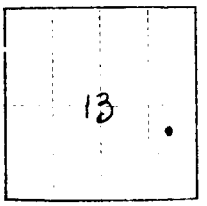
Casper, Wyoming

By

Title Assistant Area Superintendent

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 06532
Unit Brennan Bottom

RECEIVED
NOV 12 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report - Sand-Oil Treat X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 25, 1953

Well No. 1 is located 1980 ft. from N/S line and 660 ft. from E/W line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) | 7-South (Twp.) | 20-East (Range) | SLBM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PBTD 7495'. Treated interval from 6980' to 7000' with 3000 gals #5 fuel oil and 3000# sand. Maximum treating pressure 3000 psi, final pumping pressure 2900 psi, shut in 5 mins after completing displacement at 2000 psi. Sand-oil mix flushed with 75 bbls crude over tubing capacity. Total load 242 bbls. Well started flowing back 2:45 p.m., flowed 74 bbls in 6-1/4 hrs. Started swabbing 10 p.m. After tubing was swabbed down, pulled swab 3 runs per hour from 6900' until 4:30 a.m. 26th. From 4:30 a.m. to 7 a.m. pulled swab at rate of 2 pulls per hour. At 4:30 a.m. fluid rise was less than 200' when pulling swab as rapidly as possible. Total oil recovered 189 bbls (115 bbls swabbing and 74 bbls flowing). Now making 4-1/2 bbls per hour pulling swab twice per hour from 6900'. Fluid level at 6500'. Will continue swabbing.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address P. O. Drawer 2089

Casper, Wyoming

By

Title Assistant Area Superintendent

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake

Lease No. 065342

Unit Brennan Bottom

13

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NOV 12 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF [redacted] ACIDIZING X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 29, 1953

Well No. 1 is located 1980 ft. from [redacted] S line and 660 ft. from E [redacted] line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) 7-South (Twp.) 20-East (Range) SLBM (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PBTD 7495'. Swabbed interval 6980' to 7000' for 24 hrs, recovered 83 bbls fluid, 16% water. Acidized perforations from 6980' to 7000' with 2000 gallons 15% acid. Used 42 bbls flush. Injection pressure varied from 1500 to 1600 psi. Maximum injection pressure 1600 psi. Started swabbing 3:30 p.m. Tubing swabbed down 9:30 p.m. Pulling swab 3 times per hour from 6900', averaging 11 bbls per hour. Gas varies from 20 to 60 MCF rate per day. Grindout 12% water, 3% emulsion.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address P. O. Drawer 2089

Casper, Wyoming

By

Title Assistant Area Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office **Salt Lake**

Lease No. **065342**

Unit **Brennan Bottom**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NOV 12 1953

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	X
NOTICE OF INTENTION TO TEST WATER SHUT OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 31, 1953

Well No. **1** is located **1980** ft. from ~~N~~ S line and **660** ft. from ~~E~~ W line of sec. **13**

C NE SE Sec. 13 (¼ Sec. and ¼ Sec. No.) **7-South** (Twp.) **20-East** (Range) **SLBM** (Meridian)

Wildcat (Field) **Uintah** (County or Subdivision) **Utah** (State or Territory)

The elevation of the derrick floor above sea level is **4830** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PBTD 7495'. Swabbed perforations from 6980' to 7000', 6-1/2 hrs, recovered 53 bbls. Acidized interval from 6980' to 7000' with 5000 gals regular acid, by Dowell. Displaced in tubing with 80 bbls, no pressure. No pressure until displaced 80 bbls acid in formation. Maximum pressure 1400 psi at finish of flush. Pressure one minute after completing flush 750 psi. No flow back. Started swabbing 3:30 p.m., recovered load at 8:30 p.m. By 7 a.m. 1st had recovered 196 bbls above load. Total recovery 316 bbls.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Gulf Oil Corporation**

Address **P. O. Drawer 2089**

Casper, Wyoming

By:

Title **Assistant Area Superintendent**

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake
Lease No. 065342
Unit Brennan Bottom

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

NOV 30 1953
U. S. OIL & GAS SURVEY
SALT LAKE CITY, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ~~ACIDIZING~~ CASING Perforating X
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 20, 1953

Well No. 1 is located 1980 ft. from ~~N~~ S line and 660 ft. from ~~E~~ W line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) | 7-South (Twp.) | 20-East (Range) | SLBM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PBTD 7495'. Perforated intervals from 7025' to 7045', 7060' to 7080', 7220' to 7240' and 7255' to 7275' with four 1/2" bullet holes per foot by McCullough. Set production packer at 7012' and unable to test, moved packer down to 7054' and swabbed tubing down. Set packer at 7092' and swabbed tubing down in 1-3/4 hours. Fluid entering tubing at rate of 2.2 bbls. per hour.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address P. O. Drawer 2075

Casper, Wyoming

By

Title Area Superintendent

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Salt Lake

Lease No. 065342

Unit Brennan Bottom

13 | 0

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

RECEIVED
NOV 30 1953
U. S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report-Acidize X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 23, 1953

Well No. 1 is located 1980 ft. from S line and 660 ft. from E line of sec. 13

C NE SE Sec. 13 (¼ Sec. and Sec. No.) | 7-South (Twp.) | 20-East (Range) | SLBM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PBTD 7495'. Acidized with 3000 gallons Dowel regular acid below P-N-T packer set at 7092'. No pressure. Flushed with 41 bbls. oil. Total load 112 bbls. including acid. No flow back. Swabbed 15-1/2 hours, recovered 270 bbls., 158 bbls. net.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address P. O. Drawer 2089

Casper, Wyoming

By

Title Area Superintendent

Approved 11-30-53

H. C. Smith
District Engineer

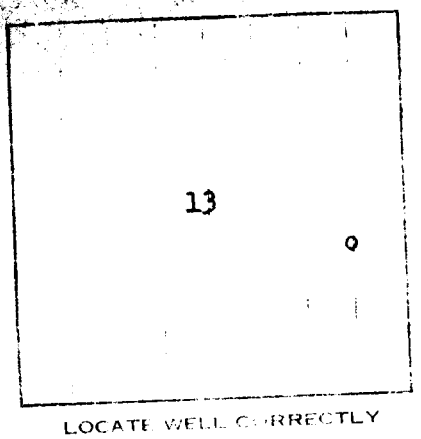
U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

ORIGINAL FORWARDED TO CASPER

Budget Bu... No. 42-R355.2.
Approval expires 12-31-52.

Form 9-330

U. S. LAND OFFICE Salt Lake
SERIAL NUMBER 065342
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
FEB 23 1954

LOG OF OIL OR GAS WELL

Company Gulf Oil Corporation Address P. O. Drawer 2089, Casper, Wyoming
Lessor or Tract Brennan Bottom Unit Field Wildcat State Utah
Well No. 1 Sec. 13 T. 7S R. 20E Meridian SLBM County Uintah
Location 1980 ft. [N] of S Line and 660 ft. [E] of E Line of Section 13 Elevation 4830
Derrick floor relative to sea level

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date February 15, 1954 Title Area Superintendent

The summary on this page is for the condition of the well at above date. Finished drilling 10-9 19 53

OIL OR GAS SANDS OR ZONES

No. 1, from 6980 to 7045
No. 2, from 7025 to 7060
No. 3, from 7060 to 7122
No. 4, from 7105 to 7240
No. 5, from 7220 to 7275
No. 6, from 7255 to 7328
No. 7, from 7310 to
No. 8, from 5350 to 5532

IMPORTANT WATER SANDS

No. 1, from to
No. 2, from to

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From	Perforated To	Purpose
13-3/8"	48	8 Round		621	---	---	---	---	Surface
7"	23	8 Round	SS	7577	---	---	7310	7328	Oil String
							6980	7000	
							7025	7045	
							7060	7080	
							7105	7122	
							7220	7240	
							7255	7275	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	637	660 Ideal Reg. Port.	HOWCO	---	---
7"	7591	375 Ideal Slow Set	HOWCO	---	---

FOLD MARK

PLUGS AND ADAPTERS

Heaving plug—Material Cement Length 505' Depth 295

U. S. Land Office Salt Lake
Serial Number 065342
Lease or Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
FEB 23 1954

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Gulf Oil Corporation Address P. O. Drawer 2089, Casper, Wyoming
Lessor or Tract Brennan Bottom Unit Field Wildcat State Utah
Well No. 1 Sec. 13 T. 7S R. 20E Meridian SLBM County Uintah
Location 1980 ft. [N] of S Line and 660 ft. [E] of E Line of Section 13 Elevation 4830
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed
Date February 15, 1954 Title Area Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 7-6 19 53 Finished drilling 10-9 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6980 to 7000 No. 4, from 7220 to 7240
No. 2, from 7025 to 7045 No. 5, from 7255 to 7275
No. 3, from 7060 to 7080 No. 6, from 7310 to 7328
No. 4, from 7105 to 7122

IMPORTANT WATER SANDS

No. 1, from 5350 to 5532 No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From	Perforated To	Purpose
13 3/8"	48	8 Round	SS	621	---	---	---	---	Surface
7"	23	8 Round	SS	7577	---	---	7310	7328	Oil String
							6980	7000	
							7025	7045	
							7060	7080	
							7105	7122	
							7220	7240	
							7255	7275	

MUDDING AND CEMENTING RECORD

Size	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	637	660 Ideal Reg. Port.	HOWCO	---	---
7"	7591	375 Ideal Slow Set	HOWCO	---	---

PLUGS AND ADAPTERS

Heaving plug—Material Cement Length 505' PBTD 7495

TOOLS USED

Rotary tools were used from Surface feet to 8000' feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

Started testing 10-12 19 54 Finished testing 1-29 19 54

The production for the first 24 hours was 213 barrels of fluid of which --- % was oil; --- % emulsion; trace % water; and % sediment. Gravity, Be

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Miracle & Wooster Drilling Co. , Driller

, Driller

FORMATION RECORD

FROM	TO	TOTAL	FORMATION
0	135	135	Conglomerate.
135	250	115	Sandstone with little interbedded shale.
250	480	230	Shale, red-brown, clayey, calcareous.
480' - Top Duchesne River formation			
480	1300	820	Shale, red-brown, clayey, sandy, calcareous.
1300	1410	110	Shale, red-brown, sandy, calcareous with interbedded fine sandstone and siltstone.
1410	1660	250	Shale, red-brown and green, calcareous, sandy.
1660	2025	365	Shale, red-brown and green, calcareous, sandy with interbedded sandstone and siltstone.
2025	2380	355	Shale, red-brown, calcareous, sandy with interbedded siltstone and sandstone.
2380	2590	210	Shale, green-brown, calcareous.
2590	2622	32	Sandstone, green-white, clayey, oil stained.
2622	2650	28	Siltstone, dark green.
2650	3018	368	Shale and sandstone, interbedded and with silt.
3018	3095	77	Sandstone, gray, medium fine.
3095	3765	670	Shale, brown-green, calcareous with interbedded sandstone, fine, some stained.
3765' - Top Greenriver formation			
3765	4244	479	Shale, brown with interbedded sandstone, very fine to fine; siltstone, calcareous.
4244	4733	489	Shale, brown with few thin sandstones, calcareous.
4733	4768	35	Sandstone, tan, calcareous, oil stained.

16 - 43094-2

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
4768	4793	25	Siltstone, very calcareous, light brown
[illegible]	4865	72	Shale, brown, silty, calcareous.
4865	5228	363	Sandstone, tan to dark brown, trace oil stain, with thin shale beds, brown.
[illegible]	[illegible]	[illegible]	Interbedded shale and sandstone, siltstone, all calcareous.
[illegible]	[illegible]	45	Sandstone, brown, calcareous, oil stained.
[illegible]	5560	123	Interbedded brown shale and brown sandstone, oil stained.
[illegible]	6200	640	Shale, brown, calcareous.
[illegible]	6220	20	Sandstone, grey, oil stained.
[illegible]	6300	80	Shale, brown, silty, calcareous.
6300	6420	120	Shale, brown, calcareous with limestone streaks.
6420	6550	130	Shale, grey, silty, calcareous.
[illegible]	6563	13	Sandstone, medium, oil stained, calcareous.
[illegible]	6757	194	Shale, brown-gray, silty, calcareous.
6757	7080	323	Shale, brown, silty with interbedded limestone (ostracodal) and very thin sandstones.
[illegible]	- Top Wasatch Formation.		
[illegible]	[illegible]	25	Shale, silty, green, brown, red.
[illegible]	7185	20	Sandstone, white, oil stained.
[illegible]	7192	67	Shale, silty, green, brown, red calcareous.
7192	7500	308	Shale, red, green, brown with thin sandstone streaks.
7500	7555	55	Shale, dark brown-gray, silty, very calcareous.
7555	7668	113	Shale, red-brown, very sandy, very calcareous.
7668	7698	30	Sandstone, white-tan, with some conglomerate.
7698	7840	142	Shale, red, green, with thin sands interbedded.
7840	7870	30	Sandstone, red-brown, fine.
[illegible]	8002	132	Shale, red, green, sandy.

TD 8002'

Form approved.
Budget Bureau No. 42 R356.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE .....
LEASE NUMBER .....
UNIT ..... Brennan Bottom .....

LESSEE'S MONTHLY REPORT OF OPERATIONS

State ..... Utah ..... *County* ..... Uintah ..... *Field* ..... Brennan-Bottom .....

The following is a correct report of operations and production (including drilling and producing wells) for the month of ..... September ....., *19* 75 .....

Agent's address ..... P. O. Box 2619 ..... *Company* Gulf Oil Corporation .....

..... Casper, Wyoming 82601 ..... *Signed* Pauline White Ridge

Phone ..... 307-235-5783 ..... *Agent's title* Senior Clerk .....

Sec. and ¼ or ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
PARTICIPATING AREA										
NE SE 13	7S	20E	1	30	518	30.9	177	est.	705	
SE SE 18	7S	21E	2	0	0		-		None	T.A.
SE NW 18	7S	21E	5	0	0		-		None	T.A.
TOTAL					518		177		705	

WATER

Disposition 705
Pit 705.
Injected 0

OIL

On hand at beginning of month	247
Produced during month	518
Sold during month	218
Unavoidably lost	0
Reason	
On hand at end of month	547

GAS

Sold	0
Flared/Vented	0
Used On/Off Lease	177

2 - U.S.G.S., SLC
2 - Utah Oil & Gas Cons. Comm., SLC
2 - Exxon, Midland
2 - Phillips Petroleum Co., Bartlesville
1 - OC
2 - File
1 - Houston

Brennan/Federal

NOTE.—There were 218.14 runs or sales of oil; No M cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329
(January 1950)

16—25780-9 U. S. GOVERNMENT PRINTING OFFICE

GPO 837-062

Form approved.
Budget Bureau No. 42-R356.5.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE .....
LEASE NUMBER .....
UNIT Brennan Bottom

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah *County* Uintah *Field* Brennan-Bottom

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, *19*77,

Agent's address P. O. Box 2619 *Company* Gulf Oil Corporation

Casper, Wyoming 82601 *Signed* Pauline Whitledge

Phone 307-235-1311 *Agent's title* Senior Clerk

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
PARTICIPATING AREA										
NE SE 13	7S	20E	1	0	0		0		None	SI
SE SE 18	7S	21E	2	0	0		-		None	T.A.
SE NE 18	7S	21E	5	0	0		-		None	T.A.
TOTAL					0		-		None	

WATER

Disposition 0
Pit 0
Injected 0

OIL

On hand at beginning of month	122
Produced during month	0
Sold during month	0
Unavoidably lost	0
Reason	
On hand at end of month	122

GAS

Sold	0
Flared/Vented	0
Used On/Off Lease	0

2 - U.S.G.S., SLC
2 - Utah Oil & Gas Cons. Comm., SLC
2 - Exxon, Midland
2 - Phillips Petroleum Co., Bartlesville
1 - OC
2 - File
1 - Houston

Brennan/Federal

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329
(January 1950)

16—25766-9 U. S. GOVERNMENT PRINTING OFFICE

GPO 837-062

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Gulf Oil Corp.

3. ADDRESS OF OPERATOR: P. O. Box 2619, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1980' NSL & 660' WEL NE SE Section 13-T7S-R20E

5. LEASE DESIGNATION AND SERIAL NO.: ----

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ----

7. UNIT AGREEMENT NAME: ----

8. FARM OR LEASE NAME: Brennan Federal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Brennan Bottoms

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 13-T7S- R20E

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4820' GR 4832' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	~~SHOOTING OR~~ ACIDIZING	[X]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

See attached procedure.

18. I hereby certify that the foregoing is true and correct

SIGNED J. G. Croft TITLE Petroleum Engineer DATE July 15, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S.G.S.
8440 Federal Bldg.
125 South State Street
Salt Lake City, UT 84138
Attn: E. W. Guynn

State of Utah
1588 West North Temple
Salt Lake City, UT 84116
Attn: Cleon B. Feight, Dir.

Exxon Company USA
P. O. Box 1600
Midland, TX 79701

Phillips Petroleum Co.
421 Frank Phillips Bldg.
Bartlesville, OK 74004

Buttram Texhoma Co.
Suite 204, 6421 Avondale
Oklahoma City, OK 73116

G.P. Caulkin, Jr.
2100 Colorado State Bank Bldg.
1600 Broadway
Denver, CO 80202

Miller Duncan
Crocker National Bank
1301 East Main
Barstow, CA 92311

GPO 680-379

WELL PROGRESS REPORT–Field
GUS 95368

Make reports complete, such as description of casing . . . Show, as soon as known, name of contractor, type of rig, and kind of fuel . . . In guide margin show casing (as, 7"), "Contractor," "Shot," "Acidized," etc.

GUIDE MARGIN | DATE | YEAR 1977 | A. F. E. | LEASE AND WELL BRENNAN FEDERAL #1

BRENNAN BOTTOMS FIELD
Brennan Federal NO. 1
13-7S-20E, Uintah Co., UT
.5556696

5/23/77 MIRU Pulling unit. Dewaxed tbg. Att to fish parted rod. SION. On 5/24/77 Stripped out rods, pmp & 32 jts tbg. SION. 5/25/77 Finished pulling tbg. Ran Baker csg scraper to 7340' KB, dewaxed tbg and tested tbg to 3000 psi. POH. SION 5/26/77 Ran Baker 7" Model "C" bridge plug and 7" Model E retrievamatic pkr, set BP at 7335, set pkr at 7200'. RU Howco, acidized as follows: Pmpd 80 gal Visco 957 mixed w/2000 gal fm wtr down tbg, 2000 gal 15% HCl w/2 gal HAI-50, 4 gal 3N and 10 gal LP-55 w/250# TLC-80, 4000 gal 15% HCl w/add and 250# TLC-80, 4000 gal .15% HCl w/add and 250# TLC-80, 4000 gal 15% HCl w/add without TLC-80. Flushed w/2000 gal fm wtr. ISIP 1680 psi. Rate 6.5 BPM. Release pkr, ret BP, reset BP at 7130, reset pkr at 6850'. Pmpd 2200 gal wtr w/85 gal Visco 957 down tbg, 6000 gal 15% HCl w/add and 250# TLC-80. Repeated acid 4 times, the last without TLC-80 Flushed w/2200 gal fm wtr. ISIP 1210, rate 52 BPM. SION. On 5-27-77 POH. Faile to rec BP. Removed pkr and ran Model H retrieving head on fishing adapter on tbg. Failed to rec fish. Pushed BP to 7334. 5/28/77 POH. SION. 5/29/77 Ran rods, pmpg & tbg. Hung well on beam. SION. 5/30/77 long stroke pmp. Well pmpg. TDMO From 5-31-77 to 6-11-77 pmpd 255 BO and 716 BW on 24 hr test ending 6-12-77 pmpd 38 BO and 93 BW. Prod before treatment in July 1976 pmpd 27 BO and 30 BW. DROP.

Gulf Oil Exploration and Production Company

L. G. Rader
PRODUCTION MANAGER – CASPER AREA

July 2, 1985

P. O. Box 2619
Casper, WY 82602

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Gentlemen:

Effective July 1, 1985, the corporate name of Gulf Oil Corporation was changed to Chevron U.S.A. Inc. This will be applicable to all operations, agreements, contracts, documents, and permits of Gulf Oil Corporation in the area of and/or under your jurisdiction.

The attached information is being furnished to facilitate the name change of appropriate records under your authority, and submitted as our understanding of the procedure required to accomplish the change.

Please advise this office or the office listed on the attachments should additional information be needed.

Sincerely,

L. G. Rader

KWR/mdb

Attachments

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

070807

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER	5. LEASE DESIGNATION AND SERIAL NO.: 065342
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT AGREEMENT NAME: Brennan Bottoms
2. NAME OF OPERATOR: Chevron U.S.A. Inc.	8. FARM OR LEASE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 599, Denver, Colorado 80201	9. WELL NO.: 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1980' FSL and 660' FEL	10. FIELD AND POOL, OR WILDCAT: Wildcat
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 13, T7S, R20E
14. PERMIT NO.: 43-047-15417	15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4830'
	12. COUNTY OR PARISH: Uintah — 13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(Other) Request Approval to Flare Gas	[X]			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Approval is requested to flare up to 25 MCF/D of casinghead gas at the wellsite. The well is currently flaring 2 MCF/D.

RECEIVED
JUL 03 1986
DIVISION OF
OIL, GAS & MINING

3-BLM
3-State
1-BIA
1-BJK
1-GDE
3-Drilling
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED L. L. Kirkpatrick TITLE Associate Environmental Specialist DATE June 30, 1986

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

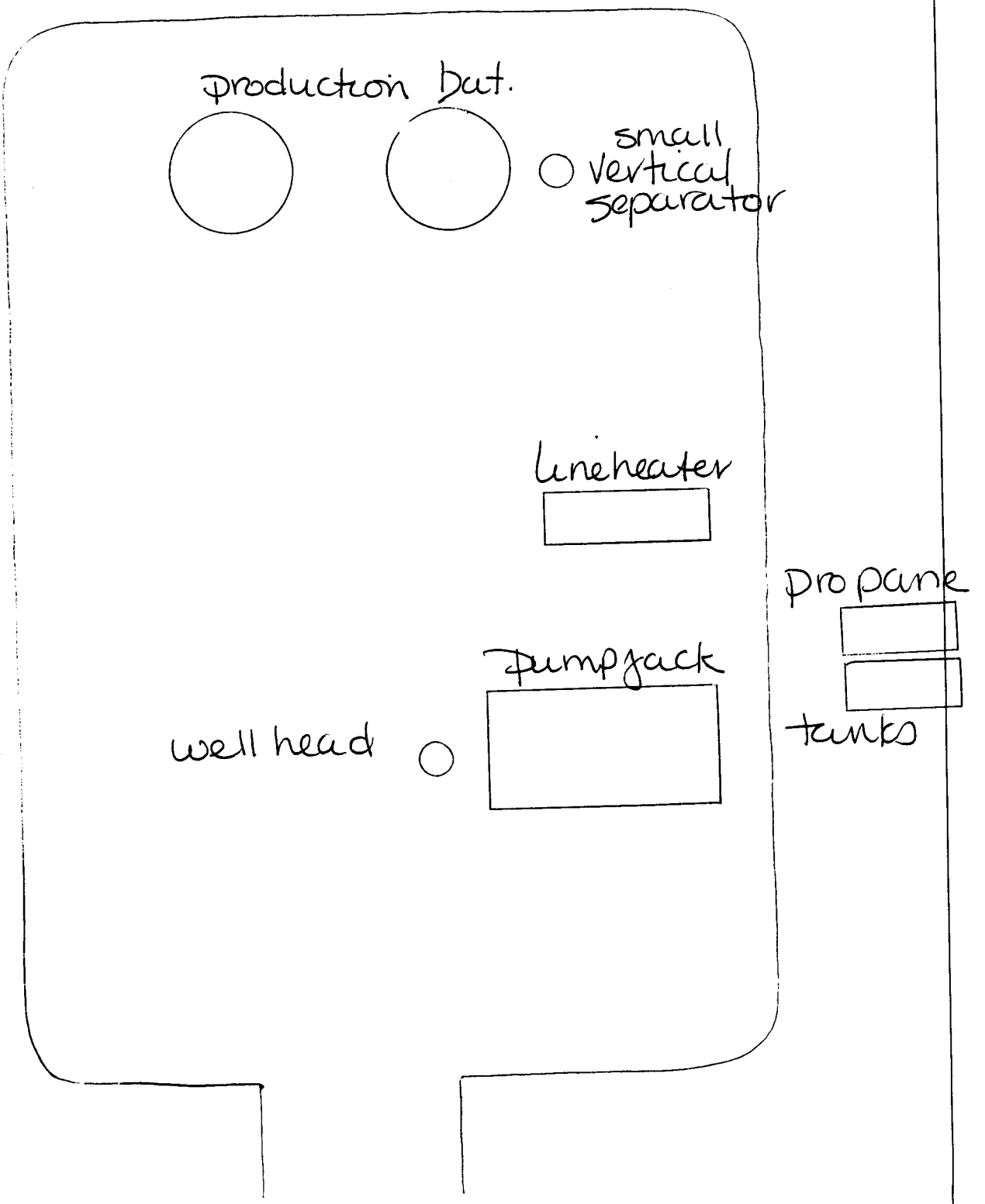
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Lease Name	Field	Section	Township	Range	County	State
Anderson, Owen 1-28A2	Bluebell	28	1S	2W	Duchesne	UT
Antelope Draw Fed. 1-19-2C	Natural Buttes	19	8S	22W	Uintah	UT
Antelope Draw Fed. 2-17-4C	Undesignated	17	8S	22W	Uintah	UT
Antelope Draw Fed. 3-17-3C	Natural Buttes	17	8S	22W	Uintah	UT
Black Jack Ute 1-142D	Altamont	14	4S	6W	Duchesne	UT
Blue Bench/Ute 1-7C4	Altamont	7	3S	4W	Duchesne	UT
Bobo Ute 1-16B2	Altamont	16	4S	6W	Duchesne	UT
Brennan Federal #1	Brennan Bottoms	13	7S	20E	Uintah	UT
Brennan Federal #3	Brennan Bottoms	17	8S	22W	Uintah	UT
Brennan Federal #6	Brennan Bottoms	19	7S	21E	Uintah	UT
Brennan Federal #8	Brennan Bottoms	17	7S	21E	Uintah	UT
Campbell Ute/State 1-7B1	Bluebell	7	2S	1W	Duchesne	UT
Campbell,Darwod Ute 1-12B2	Bluebell	12	2S	2W	Duchesne	UT
Cheney 1-33-A2	Bluebell	33	1S	2W	Duchesne	UT
Cheney 2-33-A2	Bluebell	33	1S	2W	Duchesne	UT
Costas Federal 1-20-4B	Gypsum Hills	20	8S	21E	Uintah	UT
Costas Federal 2-20-3B	Undesignated	20	8S	21E	Uintah	UT
Costas Federal 3-21-1D	Undesignated	21	8S	21E	Uintah	UT
Dillman 2-2BA2	Bluebell	28	1S	2W	Duchesne	UT
Duchesne Co. Snyder 1-9C4	Altamont	9	3S	4W	Duchesne	UT
Duchesne Co. Tribal 1-3C4	Altamont	17	3S	4W	Duchesne	UT
Duchesne County 1-17C4	Altamont	17	3S	4W	Duchesne	UT
Evans Ute 1-17B3	Altamont	17	2S	3W	Duchesne	UT
Evans Ute 2-27B3	Altamont	17	2S	3W	Duchesne	UT
Fortune Ute Fed. 1-11C5	Altamont	11	3S	5W	Altamont	UT
Freston State 1-8B1	Bluebell	8	2S	1W	Duchesne	UT
Geritz Murphy 1-6C4	Altamont	6	3S	4W	Duchesne	UT
Gypsum Hills Unit Fed. #1	Gypsum Hills	17	8S	21E	Uintah	UT
Gypsum Hills Unit Fed. #3	Gypsum Hills	17	8S	21E	Uintah	UT
Gypsum Hills Unit Fed. #4	Gypsum Hills	19	8S	21E	Uintah	UT
Gypsum Hills Unit Fed. #6	Gypsum Hills	20	8S	21E	Uintah	UT
Hamblin 1-26A2	Bluebell	26	1S	2W	Duchesne	UT
Hamblin 2-26A2	Bluebell	26	1S	2W	Duchesne	UT
Holmes/Federal #1	Horseshoe Bend	5	7S	22E	Uintah	UT
Jenks Robertson Ute 1-1B1	Bluebell	1	2S	1W	Uintah	UT
Joan Federal #1	Undesignated	19	7S	21E	Uintah	UT
John 1-3B2	Bluebell	3	2S	2W	Duchesne	UT
John 2-3B2	Bluebell	3	2S	2W	Duchesne	UT

06/27/85
leases gulf operated/file2

Brennan Fed 1 Sec 13, T 7 So, R 20E @ Bubly 3/15/89

N



Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
BRENNAN BOTTOM UNIT
14-08-001-556

1. Type of Well
Oil Gas
[X] Well [ ] Well [ ] Other MULTIPLE WELLS LIST ATTACHED

8. Well Name and No.

2. Name of Operator
CHEVRON U.S.A. INC.

9. API Well No.

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

10. Field and Pool, or Exploratory Area
BRENNAN BOTTOM-GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other CHANGE OF OPERATOR	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

As of January 1, 2000 Chevron U.S.A. Inc. resigns as Operator of the Brennan Bottoms Unit.
The Unit number is 14-08-001-556 effectuve June 12, 1953.

The successor operator under the Unit Agreement will be
Shenandoah Energy Inc.
475 17th Street, Suite 1000
Denver, CO 80202

Agreed and accepted to this 29th day of December, 1999

Shenandoah Energy Inc.

By: M. L. Solich
Mitchell L. Solich
President

RECEIVED
DEC 30 1999
DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed A. E. Wacker A. E. Wacker Title Assistant Secretary Date 12/29/1999

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING	
[redacted]	4-KAS
2. CDW	5-[illegible]
3. JLT	6-FILE

Enter date after each listed item is completed

X Change of Operator (Well Sold) Designation of Agent

Operator Name Change (Only) Merger

The operator of the well(s) listed below has changed, effective: **01/01/2000**

FROM: (Old Operator):	**TO:** (New Operator):
CHEVRON USA INC	SHENANDOAH ENERGY INC
Address: 11002 E. 17500 S.	Address: 11002 E. 17500 S.
VERNAL, UT 84078-8526	VERNAL, UT 84078
Phone: 1-(435)-781-4300	Phone: 1-(435)-781-4300
Account No. N0210	Account No. N4235

CA No. **Unit:** **BRENNAN BOTTOM**

WELL(S)

NAME	API	ENTITY	SECTION	TOWNSHIP	RANGE	LEASE
BRENNAN FEDERAL # 5 (WIW)	43-047-15420	5261	18	07S	21E	FEDERAL
BRENNAN FEDERAL # 6	43-047-30109	5261	19	07S	21E	FEE
BRENNAN FEDERAL # 11 (WIW)	43-047-32772	5261	18	07S	21E	FEDERAL
BRENNAN FEDERAL 1	43-047-15417	5260	13	07S	20E	FEDERAL
BRENNAN FEDERAL 9	43-047-32477	5261	18	07S	21E	FEDERAL
BRENNAN FEDERAL 10	43-047-32771	5261	19	07S	21E	STATE
BRENNAN FEDERAL 12	43-047-32779	5261	18	07S	21E	FEDERAL
BRENNAN FEDERAL 14	43-047-32774	5261	18	07S	21E	FEDERAL

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/30/1999
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08/09/2000
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 08/15/2000

4. Is the new operator registered in the State of Utah: YES Business Number: 224885

5. If **NO**, the operator was contacted contacted on: _____

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/04/2000

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC"** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 08/15/2000

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 08/15/2000

2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 08/15/2000

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond on: 06/05/2000

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
   The Division sent response by letter on: N/A

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 08/15/2000

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 3.5.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-931

February 4, 2000

Shenandoah Energy Inc.
Attn: Rae Cusimano
475 17th Street, Suite 1000
Denver, Colorado 80202

Re: Brennan Bottom Unit
Uintah County, Utah

Gentlemen:

On December 30, 1999, we received an indenture whereby Chevron U.S.A. Inc. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 4, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Brennan Bottom Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Brennan Bottom Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:2/4/00

Well	Lease	API Number	Status	Type	Location for Sundry an
BRENNAN FEDERAL 1	U-065342	43-047-15417	A	OIL	1980' FSL & 660' FEL (NE SE) SECTION 13, T7S,
BRENNAN FEDERAL 5	SL-071745	43-047-15420	A	INJ	1969' FNL & 1833' FWL (SE NW) SECTION 18, T7
BRENNAN FEDERAL 6	FEE	43-047-30109	A	OIL	835' FNL & 591' FWL (NWNW) SECTION 19, T7S,
BRENNAN FEDERAL 9	U-071745	43-047-32477	A	OIL	1980' FSL & 1980' FEL (NW SE) SECTION 18, T7S
BRENNAN FEDERAL 10	ML-3068	43-047-32771	A	OIL	660' FNL & 1980' FEL (NW NE) SECTION 19, T7S,
BRENNAN FEDERAL 11	U-071745	43-047-32772	A	INJ	649' FSL & 1886' FWL (SE SW) SECTION 18, T7S,
BRENNAN FEDERAL 12	U-046	43-047-32779	A	OIL	726' FNL & 2200' FEL (NWNE) SECTION 18, T7S,
BRENNAN FEDERAL 14	U-046	43-047-32774	A	OIL	744' FNL & 461' FWL (NW NW) SECTION 18, T7S,

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — Merger

The operator of the well(s) listed below has changed, effective: **2/1/2003**

FROM: (Old Operator):	**TO:** (New Operator):
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341

CA No. **Unit:** **BRENNAN BOTTOM**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
BRENNAN FED 1	13	070S	200E	4304715417	5261	Federal	OW	P	
BRENNAN FED 9	18	070S	210E	4304732477	5261	Federal	OW	P	
BRENNAN FED 14	18	070S	210E	4304732774	5261	Federal	OW	P	
BRENNAN FED 12	18	070S	210E	4304732779	5261	Federal	OW	P	
BRENNAN FED 10	19	070S	210E	4304732771	5261	State	OW	P	
BRENNAN FED 6	19	070S	210E	4304730109	5261	Fee	OW	P	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/19/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151
5. If NO, the operator was contacted contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 8/28/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 8/28/2003
3. Bond information entered in RBDMS on: n/a
4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965-003-032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 799446

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033
2. The **FORMER** operator has requested a release of liability from their bond on: n/a
   The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

Form 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number: *UTSL065342*

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT – for such proposals

7. Indian Allottee or Tribe Name:

8. Unit or Communitization Agreement: *891000556A*

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other (specify)

9. Well Name and Number: *Brennan 1*

2. Name of Operator: *Shenandoah Energy Inc*

10. API Well Number: *43-047-15417*

3. Address of Operator: *1050 17th Street, Ste 500, Denver, CO 80165*

4. Telephone Number: *303-308-3066*

11. Field and Pool, or Wildcat: *Brennan Bottom*

5. Location of Well
Footage :
QQ, Sec, T., R., M. : NESE, 13, 7S, 20E
County : *Uintah*
State : *Utah*

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [X] Other *Consolidate Entity Numbers in Agreement*
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start: _____

SUBSEQUENT REPORT (Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other _____
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion: _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Change Entity Number from 5260 to 5261 to consolidate into one number to match Brennan Bottom Agreement # 891000556A.

RECEIVED
MAR 27 2003
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature: *Laylene Lovell* Title: *Coordinator Prod Admi.* Date: *03/27/2003*

(State Use Only)

(8/90) See Instructions on Reverse Side

QUESTAR

tar Exploration and Production Company
Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303 672 6900 • Fax 303 294 9632

Denver Division

May 28, 2003

Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,

Frank Nielsen
Division Landman

Enclosure

SEI (...35) to QEP (N2460) BRENNAN BOTTC...JNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
BRENNAN FED 5	18	070S	210E	4304715420	5261	Federal	WI	A	
BRENNAN FED 11	18	070S	210E	4304732772	5261	Federal	WI	A	
BRENNAN FED 1	13	070S	200E	4304715417	5261	Federal	OW	P	
BRENNAN FED 9	18	070S	210E	4304732477	5261	Federal	OW	P	
BRENNAN FED 14	18	070S	210E	4304732774	5261	Federal	OW	P	
BRENNAN FED 12	18	070S	210E	4304732779	5261	Federal	OW	P	
BRENNAN FED 10	19	070S	210E	4304732771	5261	State	OW	P	
BRENNAN FED 6	19	070S	210E	4304730109	5261	Fee	OW	P	

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

June 9, 2003

QEP Uinta Basin, Inc.
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Brennan Bottom Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed it name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Brennan Bottom Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure
bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File – Brennan Bottom Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron
UT922:TAThompson:tt:6/9/03

JUL 0 7 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc. 1050 17th Street Suite 500 Denver, Colorado 80265	:	Oil and Gas lease

Name Change Recognized

Acceptable evidence has been filed in this office concerning the name change of Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated. QEP Uinta Basin, Incorporated is the surviving entity. This name change is recognized effective April 17, 2003.

Eastern States will notify the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this notice.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/Wilbert B Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning,
Use and Protection

bc: JFO,MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Unita Basin
MFO

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
   [X] Oil Well [ ] Gas Well [ ] Other

2. Name of Operator
   QEP UINTA BASIN, INC.

3. Address and Telephone No.
   11002 E. 17500 S. VERNAL, UT 84078-8526
   Contact: Kirk Fleetwood (435) 781-4341
   kirk.fleetwood@questar.com

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   1980' FSL, 660' FEL, NESE, SECTION 13, T7S, R20E, SLBM

5. Lease Designation and Serial No.
   UTSL 65342

6. If Indian, Allottee or Tribe Name
   N/A

7. If Unit or CA, Agreement Designation
   891000556A

8. Well Name and No.
   Brennan #1

9. API Well No.
   43-047-15417

10. Field and Pool, or Exploratory Area
    Brennan Bottom

11. County or Parish, State
    UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[X] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

QEP requests approval to add perfprmation in the G1 lime (6747-6757') acidized the new perforations with 500 gallons of 15% HCL and the well will be placed on production.

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 9/20/05
By: [signature]

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR
Date: 9-22-05
Initials: CHD

14. I hereby certify that the foregoing is true and correct.
Signed [signature] Title **Production Engineer** Date **9/15/2005**

(This space for Federal or State office use)

Approved by. _____ Title _____ Date _____

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
SEP 20 2005
DIV. OF OIL, GAS & MINING

***See instruction on Reverse Side**

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
   Oil Well [X] Gas Well [ ] Other [ ]

2. Name of Operator
   QEP, UINTA BASIN, INC.

3. Address and Telephone No.
   11002 E. 17500 S. VERNAL, UT 84078-8526
   Contact: Dahn.Caldwell@questar.com
   435-781-4342 Fax 435-781-4357

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   1980' FSL, 660' FEL, NESE, SEC 13-T7S-R20E, SLBM

5. Lease Designation and Serial No.
   UTSL-65342

6. If Indian, Allottee or Tribe Name
   N/A

7. If Unit or CA, Agreement Designation
   891000556A

8. Well Name and No.
   BRENNAN #1

9. API Well No.
   43-047-15417

10. Field and Pool, or Exploratory Area
    BRENNAN BOTTOMS

11. County or Parish, State
    UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans	
	[ ] Recompletion	[ ] New Construction	
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing	
	[ ] Casing Repair	[ ] Water Shut-Off	
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection	
	[X] Other **RECOMPLETION/REPERF**	[ ] Dispose Water	

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

On 3/7/06 – 3/16/06 – Added New Perfs to this well.

1 – On On 3/7/06, MIRU Gudac Brothers Well Service.
2 - MIRU Cutters WL. Pump 125 bbls 150* water down csg.
3 - Set CIBP @ 6855'. Fill csg w/ 270 bbls water & pressure test to 500#. Held.
4 - Perforate G-1 Lime Perfs 6749' – 6756' w/ 4 jpf. RDMO WL.
5 - RIH w/ 7" HD packer, 1 jt, F-Nipple & tbg. Set pkr @ 6651'.
6 - Swab.
7 - MIRU Halliburton & acidize as follows: Break @ 2300#. Pump 2000 gals (47.6 bbls) 15% & additives down tbg. Avg rate = 2.3 BPM; avg psi = 2250#; ISIP = 1930#, 5 min = 1890#, 10 min = 1861#, 15 min = 1834#. RDMO Halliburton.
8 - Swab.
9 - G-1 Lime perfs 6749' – 6756'. On 3/16/06 MU & RIH w/ pinned NC, 1 jt, SN, anchor & 221 jts tbg. Land @ 6749'.
10 - Begin pumping & turn over to production. RDMO Gudac Brothers Well Service. Final Report of Recompletion/Reperf.

RECEIVED
JUL 13 2006
DIV. OF OIL, GAS & MINING

Producing out of the G-1 Lime Zone.

3 - BLM, 2- Utah OG&M, 1 – Denver, 1 – file Word file-server

14. I hereby certify that the foregoing is true and correct.
Signed **Jim Simonton** Jim Simonton (for) Title **Completion Supervisor** Date **5/25/06**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

CONFIDENTIAL

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

Change of Operator (Well Sold) **X - Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective: **1/1/2007**

FROM: (Old Operator):	**TO:** (New Operator):
N2460-QEP Uinta Basin, Inc.	N5085-Questar E&P Company
1050 17th St, Suite 500	1050 17th St, Suite 500
Denver, CO 80265	Denver, CO 80265
Phone: 1 (303) 672-6900	Phone: 1 (303) 672-6900

CA No. **Unit:** **BRENNAN BOTTOM UNIT**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/31/2005

4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: n/a

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on:
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 4/30/2007 and 5/15/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 4/30/2007 and 5/15/2007
3. Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
4. Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
5. Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 799446

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033

3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS: THIS IS A COMPANY NAME CHANGE.
SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
BRENNAN BOTTOM UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
BRENNAN FED 1	BRENNAN 1	NESE	13	070S	200E	4304715417	5261	Federal	OW	P
BRENNAN FED 3	BRENNAN 3	NESE	17	070S	210E	4304715419	10750	Federal	OW	P
BRENNAN FED 5	BRENNAN 5	SENW	18	070S	210E	4304715420	5261	Federal	WI	A
GULF BRENNAN FED 8	BRENNAN 8	SWSE	17	070S	210E	4304731509	5290	Federal	OW	P
BRENNAN FED 9	BRENNAN 9	NWSE	18	070S	210E	4304732477	5261	Federal	OW	P
BRENNAN FED 11	BRENNAN 11	SESW	18	070S	210E	4304732772	5261	Federal	WI	A
BRENNAN 14	BRENNAN 14	NWNW	18	070S	210E	4304732774	5261	Federal	OW	P
BRENNAN FED 12	BRENNAN 12	NWNE	18	070S	210E	4304732779	5261	Federal	OW	S
BBW 11G-20-7-21	BBW 11G-20-7-21	NESW	20	070S	210E	4304736516	15176	Federal	OW	P
BRENNAN FED 6	BRENNAN 6	NWNW	19	070S	210E	4304730109	5261	Fee	OW	P
BRENNAN FED 10	BRENNAN 10	NWNE	19	070S	210E	4304732771	5261	State	OW	P

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: see attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached	
7. UNIT or CA AGREEMENT NAME: see attached	
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER _____	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 / PHONE NUMBER: (303) 308-3068	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	COUNTY: Uintah STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2007	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024)
Utah State Bond Number: 965003033
Fee Land Bond Number: 965003033
Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list

Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE _____ DATE 3/16/2007

(This space for State use only)

RECEIVED
APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: see attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached	
7. UNIT or CA AGREEMENT NAME: see attached	
1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: attached
3 ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 / PHONE NUMBER: (303) 308-3068	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: attached	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Well Name Changes
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE [signature] DATE 4/17/2007

(This space for State use only)

RECEIVED
APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Brennan Bottom Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Brennan Bottom Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure
bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Brennan Bottom Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files
UT922:TAThompson:tt:4/23/07

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
UTSL 65342

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
891000556A

1. Type of Well
[x] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
Brennan #1

2. Name of Operator
QEP Uinta Basin, Inc. Contact: Stephanie Tomkinson (stephanie.tomkinson@questar.com)

9. API Well No.
43-047-15417

3a. Address
11002 East 17500 South, Vernal, UT 84078

3b. Phone No. *(include area code)*
435-781-4308

10. Field and Pool, or Exploratory Area
Brennan Bottom

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Surface: 1980' FSL 660' FEL, NESE Sec 13, T7S, R20E

11. County or Parish, State
Uintah County, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[x] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[x] Other Re-enter & drill horizontal
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The Brennon #1 is a producing oil well. QEP proposes to re-enter the existing wellbore and drill horizontally into the G1 Lime Formation. Two horizontal legs will be drilled. The first will be refered to as "Lateral #1" which is the NE leg and the second will be refered to as "Lateral #2" which is the SE leg. ****The actual well name will remain the same.*****

ESTIMATED START DATE: 12/05/2006

CONDITIONS OF APPROVAL ATTACHED

FOOTAGES/LEGALS FOR LATERAL #1 NE LEG BOTTOM HOLE ARE: 660' FNL 429' FEL, NENE, SEC 13, T7S, R20E.
KICK OFF POINT (KOP): 6283' TMD & TVD
PROPOSED VERTICAL DEPTH: 6804.2' TVD
TOTAL MEASURED DEPTH: 9206' TMD

FOOTAGES/LEGALS FOR LATERAL #2 SE LEG BOTTOM HOLE ARE: 1980' FNL 314' FEL, SENE, SEC 24, T7S, R20E
KICK OFF POINT (KOP): 6262' TMD & TVD
PROPOSED VERTICAL DEPTH: 6739.3' TVD
TOTAL MEASURED DEPTH: 10510.6' TMD

PROCEDURE: SEE ATTACHED.

PLEASE REFER TO ATTACHED DRILLING PROGRAM FOR HORIZONTAL DETAILS.

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
Stephanie L. Tomkinson	Regulatory Affairs Technician
Signature	Date
	April 19, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Michael Lee	Petroleum Engineer	5-25-2006
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
MAY 11 2007
DIV. OF OIL, GAS & MINING

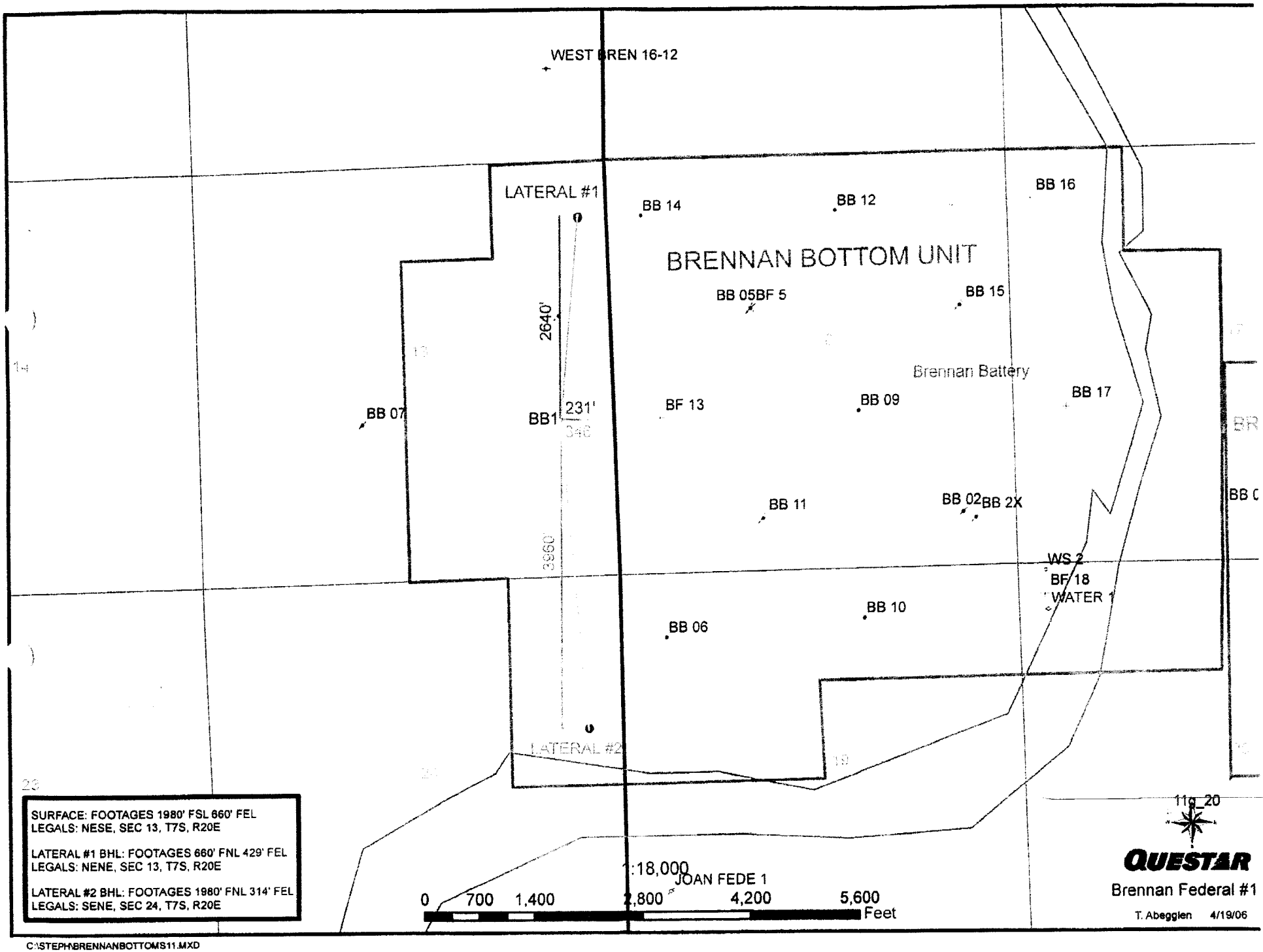
Brennan #1 - Lateral #1 & #2 procedure:
BOP: 3M

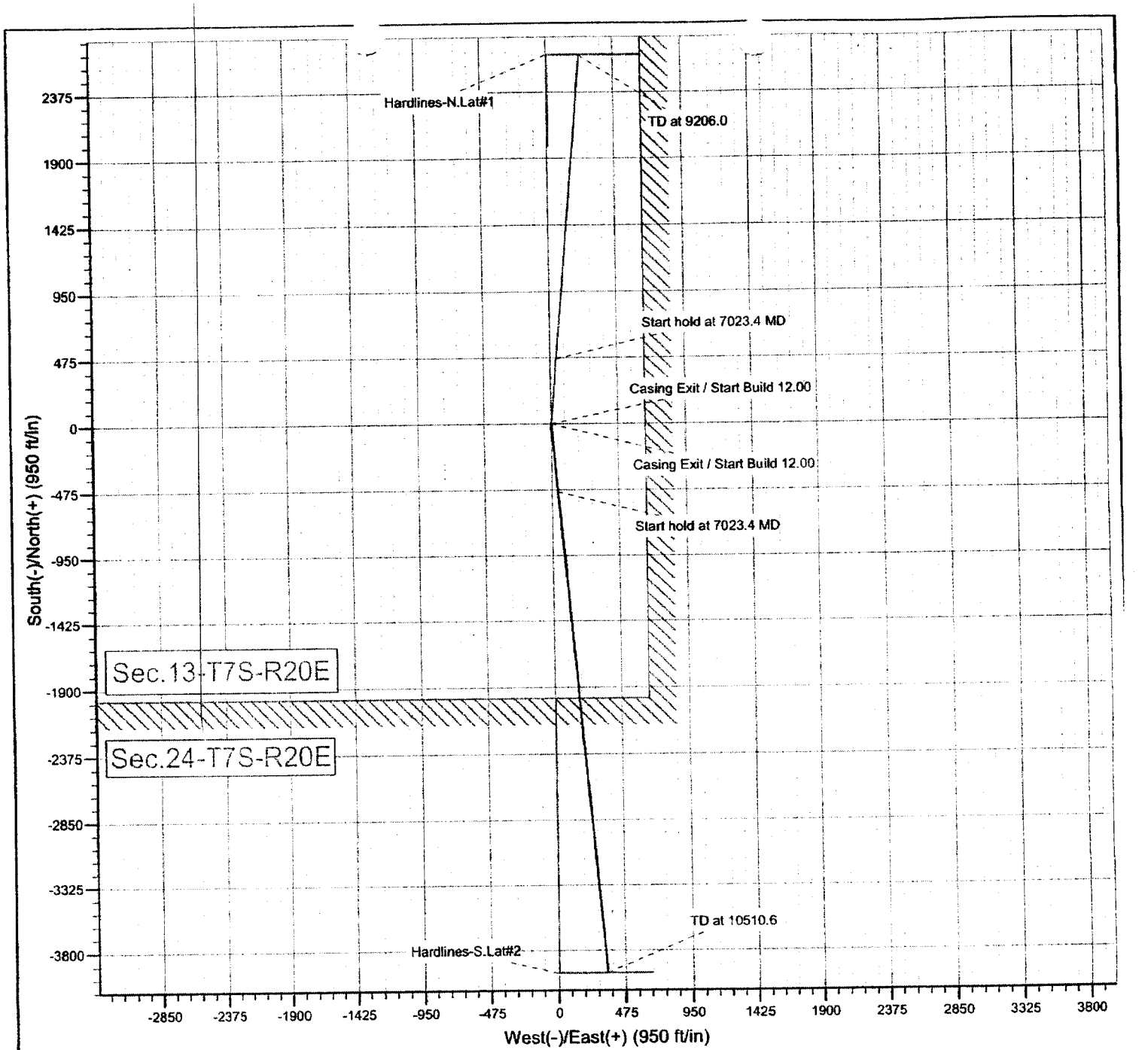
Lateral #1

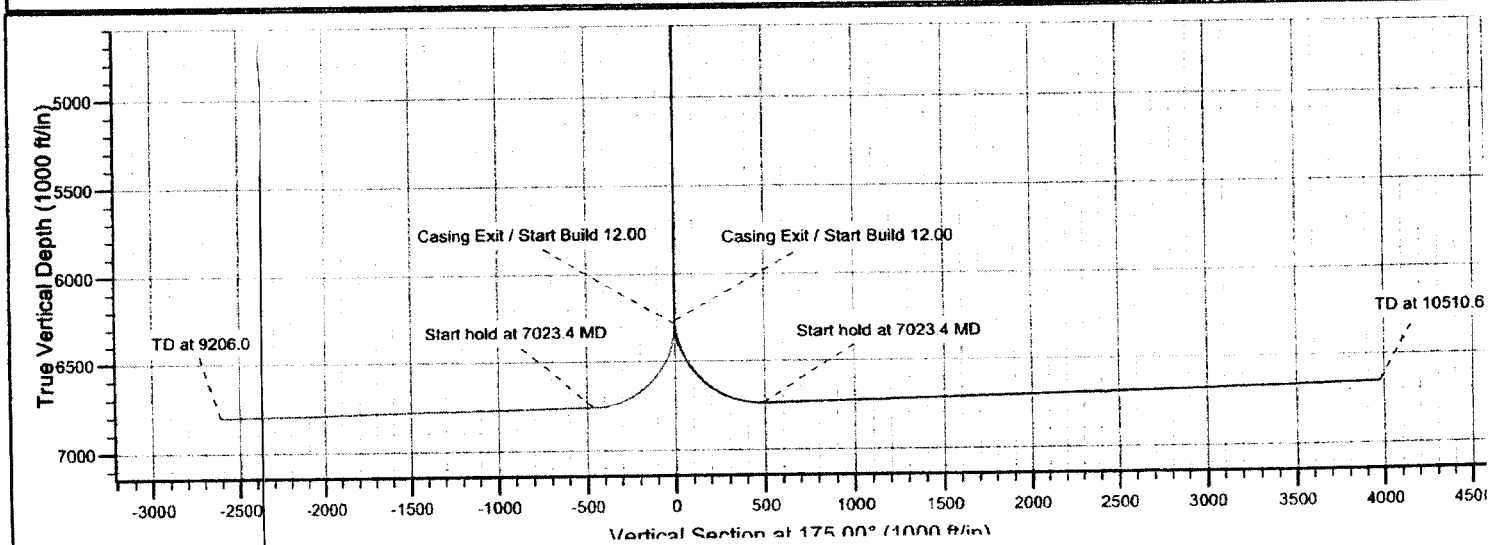
1. MIRU
2. Set whipstock and cut a window in the 7" casing at KOP (6283' TMD).
3. Build angle at ~12°/100 ft. to 90°, 5° azimuth.
4. Once landed in zone, drill ~ 2640' laterally, TD at ~ 9206' MD.
5. No casing will be run, therefore, no cement.
6. The mud system will be a KCL weighted water base mud. Mud weights will be 9.0 - 9.4 ppg.
7. The lateral will be left as open hole.
8. POOH with whipstock, re-space and re-orient.

Lateral #2

1. Set whipstock at 2nd KOP and cut a window in the 7" casing at 6262' TMD.
2. Build angle at ~12°/100 ft. to 90°, 175° azimuth.
3. Once landed in zone, drill ~ 3960' laterally, TD at ~ 10,511 MD.
4. No casing will be run, therefore, no cement.
5. The mud system will be a KCL weighted water base mud. Mud weights will be 9.0 - 9.4 ppg.
6. The lateral will be left as open hole.
7. All plugs used for depth control will be removed from wellbore prior to turning to production.


WEST BREN 16-12
LATERAL #1
BB 14
BB 12
BB 16
BRENNAN BOTTOM UNIT
BB 05BF 5
BB 15
2640'
Brennan Battery
BB 07
BB1
231'
BF 13
BB 09
BB 17
BB 11
BB 02
BB 2X
3960'
WS 2
BF 18
WATER 1
BB 10
BB 06
LATERAL #2
JOAN FEDE 1
SURFACE: FOOTAGES 1980' FSL 660' FEL
LEGALS: NESE, SEC 13, T7S, R20E
LATERAL #1 BHL: FOOTAGES 660' FNL 429' FEL
LEGALS: NENE, SEC 13, T7S, R20E
LATERAL #2 BHL: FOOTAGES 1980' FNL 314' FEL
LEGALS: SENE, SEC 24, T7S, R20E
1:18,000
0 700 1,400 2,800 4,200 5,600
Feet
QUESTAR
Brennan Federal #1
T. Abeggien 4/19/06
C:\STEPH\BRENNANBOTTOMS11.MXD


Hardlines-N.Lat#1
TD at 9206.0
Start hold at 7023.4 MD
Casing Exit / Start Build 12.00
Casing Exit / Start Build 12.00
Start hold at 7023.4 MD
Sec.13-T7S-R20E
Sec.24-T7S-R20E
TD at 10510.6
Hardlines-S.Lat#2
South(-)/North(+) (950 ft/in)
West(-)/East(+) (950 ft/in)
2375
1900
1425
950
475
0
-475
-950
-1425
-1900
-2375
-2850
-3325
-3800
-2850
-2375
-1900
-1425
-950
-475
0
475
950
1425
1900
2375
2850
3325
3800


Casing Exit / Start Build 12.00
Casing Exit / Start Build 12.00
TD at 9206.0
Start hold at 7023.4 MD
Start hold at 7023.4 MD
TD at 10510.6
True Vertical Depth (1000 ft/in)
5000
5500
6000
6500
7000
-3000
-2500
-2000
-1500
-1000
-500
0
500
1000
1500
2000
2500
3000
3500
4000
4500

QUESTAR

Company: Questar Exploration & Production
Field: Brennan Bottom Unit
Location: Sec.13-T7S-R20E
Well: Brennan Federal #1
Wellbore #1
Plan: Plan #1-Lat #1 (Brennan Federal #1/Wellbore #1)

PATHFINDER ENERGY SERVICES

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
6283.0	0.00	0.00	6283.0	0.0	0.0	0.00	0.00	0.0	
7023.4	88.85	5.00	6760.4	466.1	40.8	12.00	5.00	467.9	
9206.0	88.85	5.00	6804.2	2640.0	231.0	0.00	0.00	2650.0	

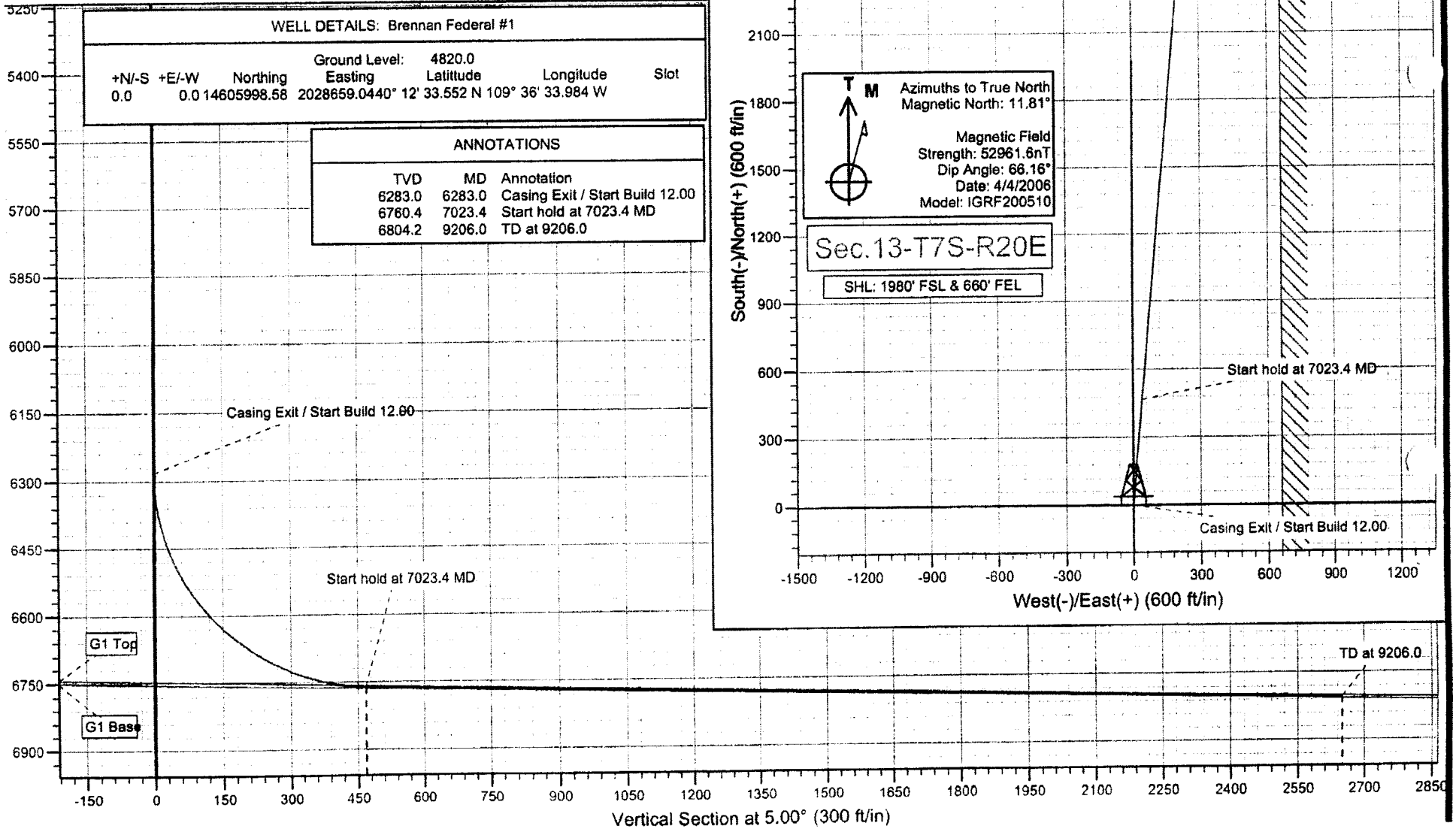
WELL DETAILS: Brennan Federal #1

Ground Level: 4820.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	14605998.58	2028659.04	40° 12' 33.552 N	109° 36' 33.984 W	

ANNOTATIONS

TVD	MD	Annotation
6283.0	6283.0	Casing Exit / Start Build 12.00
6760.4	7023.4	Start hold at 7023.4 MD
6804.2	9206.0	TD at 9206.0



Questar Exploration & Production

Brennan Bottom Unit
Sec.13-T7S-R20E
Brennan Federal #1
Wellbore #1

Plan: Plan #1-Lat #1

Pathfinder Planning Report

05 April, 2006

Database:	EDM 2003.14 Single User Db	Local Co-ordinate Reference:	Well Brennan Federal #1
Company:	Questar Exploration & Production	TVD Reference:	WELL @ 4831.0ft (Original Well Elev)
Project:	Brennan Bottom Unit	MD Reference:	WELL @ 4831.0ft (Original Well Elev)
Site:	Sec.13-T7S-R20E	North Reference:	True
Well:	Brennan Federal #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1-Lat #1		

Project	Brennan Bottom Unit		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Utah - HARN		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Sec.13-T7S-R20E				
Site Position:		Northing:	14,605,998.58 ft	Latitude:	40° 12' 33.552 N
From:	Lat/Long	Easting:	2,028,659.04 ft	Longitude:	109° 36' 33.984 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.90 °

Well	Brennan Federal #1					
Well Position	+N/-S	0.0 ft	Northing:	14,605,998.58 ft	Latitude:	40° 12' 33.552 N
	+E/-W	0.0 ft	Easting:	2,028,659.04 ft	Longitude:	109° 36' 33.984 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,820.0 ft

Wellbore	Wellbore #1			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	4/4/2006	11.81	66.16	52,962

Design	Plan #1-Lat #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	5.00

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,283.0	0.00	0.00	6,283.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,023.4	88.85	5.00	6,760.4	466.1	40.8	12.00	12.00	0.00	5.00	
9,206.0	88.85	5.00	6,804.2	2,640.0	231.0	0.00	0.00	0.00	0.00	

Database:	EDM 2003.14 Single User Db	Local Co-ordinate Reference:	Well Brennan Federal #1
Company:	Questar Exploration & Production	TVD Reference:	WELL @ 4831.0ft (Original Well Elev)
Project:	Brennan Bottom Unit	MD Reference:	WELL @ 4831.0ft (Original Well Elev)
Site:	Sec.13-T7S-R20E	North Reference:	True
Well:	Brennan Federal #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1-Lat #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
Casing Exit / Start Build 12.00									
6,283.0	0.00	0.00	6,283.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	2.04	5.00	6,300.0	0.3	0.0	0.3	12.00	12.00	0.00
6,325.0	5.04	5.00	6,324.9	1.8	0.2	1.8	12.00	12.00	0.00
6,350.0	8.04	5.00	6,349.8	4.7	0.4	4.7	12.00	12.00	0.00
6,375.0	11.04	5.00	6,374.4	8.8	0.8	8.8	12.00	12.00	0.00
6,400.0	14.04	5.00	6,398.8	14.2	1.2	14.3	12.00	12.00	0.00
6,425.0	17.04	5.00	6,422.9	20.9	1.8	21.0	12.00	12.00	0.00
6,450.0	20.04	5.00	6,446.6	28.8	2.5	28.9	12.00	12.00	0.00
6,475.0	23.04	5.00	6,469.9	37.9	3.3	38.1	12.00	12.00	0.00
6,500.0	26.04	5.00	6,492.6	48.3	4.2	48.5	12.00	12.00	0.00
6,525.0	29.04	5.00	6,514.8	59.8	5.2	60.0	12.00	12.00	0.00
6,550.0	32.04	5.00	6,536.3	72.5	6.3	72.7	12.00	12.00	0.00
6,575.0	35.04	5.00	6,557.1	86.2	7.5	86.5	12.00	12.00	0.00
6,600.0	38.04	5.00	6,577.2	101.0	8.8	101.4	12.00	12.00	0.00
6,625.0	41.04	5.00	6,596.5	116.9	10.2	117.3	12.00	12.00	0.00
6,650.0	44.04	5.00	6,614.9	133.7	11.7	134.2	12.00	12.00	0.00
6,675.0	47.04	5.00	6,632.4	151.5	13.3	152.1	12.00	12.00	0.00
6,700.0	50.04	5.00	6,649.0	170.2	14.9	170.8	12.00	12.00	0.00
6,725.0	53.04	5.00	6,664.5	189.7	16.6	190.4	12.00	12.00	0.00
6,750.0	56.04	5.00	6,679.0	209.9	18.4	210.7	12.00	12.00	0.00
6,775.0	59.04	5.00	6,692.4	231.0	20.2	231.8	12.00	12.00	0.00
6,800.0	62.04	5.00	6,704.7	252.6	22.1	253.6	12.00	12.00	0.00
6,825.0	65.04	5.00	6,715.9	274.9	24.1	276.0	12.00	12.00	0.00
6,850.0	68.04	5.00	6,725.8	297.8	26.1	298.9	12.00	12.00	0.00
6,875.0	71.04	5.00	6,734.6	321.1	28.1	322.3	12.00	12.00	0.00
6,900.0	74.04	5.00	6,742.1	344.9	30.2	346.2	12.00	12.00	0.00
6,925.0	77.04	5.00	6,748.3	369.0	32.3	370.4	12.00	12.00	0.00
6,950.0	80.04	5.00	6,753.3	393.4	34.4	394.9	12.00	12.00	0.00
G1 Top									
6,970.1	82.45	5.00	6,756.3	413.2	36.1	414.7	12.00	12.00	0.00
6,975.0	83.04	5.00	6,756.9	418.0	36.6	419.6	12.00	12.00	0.00
7,000.0	86.04	5.00	6,759.3	442.8	38.7	444.5	12.00	12.00	0.00
Start hold at 7023.4 MD									
7,023.4	88.85	5.00	6,760.4	466.1	40.8	467.9	12.00	12.00	0.00
7,100.0	88.85	5.00	6,761.9	542.4	47.5	544.5	0.00	0.00	0.00
7,200.0	88.85	5.00	6,763.9	642.0	56.2	644.4	0.00	0.00	0.00
7,300.0	88.85	5.00	6,765.9	741.6	64.9	744.4	0.00	0.00	0.00
7,400.0	88.85	5.00	6,767.9	841.2	73.6	844.4	0.00	0.00	0.00
7,500.0	88.85	5.00	6,769.9	940.8	82.3	944.4	0.00	0.00	0.00
7,600.0	88.85	5.00	6,771.9	1,040.4	91.0	1,044.3	0.00	0.00	0.00
7,700.0	88.85	5.00	6,773.9	1,140.0	99.7	1,144.3	0.00	0.00	0.00
7,800.0	88.85	5.00	6,776.0	1,239.6	108.4	1,244.3	0.00	0.00	0.00
7,900.0	88.85	5.00	6,778.0	1,339.2	117.2	1,344.3	0.00	0.00	0.00
8,000.0	88.85	5.00	6,780.0	1,438.8	125.9	1,444.3	0.00	0.00	0.00
8,100.0	88.85	5.00	6,782.0	1,538.4	134.6	1,544.2	0.00	0.00	0.00
8,200.0	88.85	5.00	6,784.0	1,638.0	143.3	1,644.2	0.00	0.00	0.00
8,300.0	88.85	5.00	6,786.0	1,737.6	152.0	1,744.2	0.00	0.00	0.00
8,400.0	88.85	5.00	6,788.0	1,837.2	160.7	1,844.2	0.00	0.00	0.00
8,500.0	88.85	5.00	6,790.0	1,936.8	169.4	1,944.2	0.00	0.00	0.00

Database:	EDM 2003.14 Single User Db	Local Co-ordinate Reference:	Well Brennan Federal #1
Company:	Questar Exploration & Production	TVD Reference:	WELL @ 4831.0ft (Original Well Elev)
Project:	Brennan Bottom Unit	MD Reference:	WELL @ 4831.0ft (Original Well Elev)
Site:	Sec.13-T7S-R20E	North Reference:	True
Well:	Brennan Federal #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1-Lat #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,600.0	88.85	5.00	6,792.0	2,036.4	178.2	2,044.1	0.00	0.00	0.00
8,700.0	88.85	5.00	6,794.0	2,136.0	186.9	2,144.1	0.00	0.00	0.00
8,800.0	88.85	5.00	6,796.0	2,235.6	195.6	2,244.1	0.00	0.00	0.00
8,900.0	88.85	5.00	6,798.0	2,335.2	204.3	2,344.1	0.00	0.00	0.00
9,000.0	88.85	5.00	6,800.0	2,434.8	213.0	2,444.1	0.00	0.00	0.00
9,100.0	88.85	5.00	6,802.0	2,534.4	221.7	2,544.0	0.00	0.00	0.00
TD at 9206.0									
9,206.0	88.85	5.00	6,804.2	2,640.0	231.0	2,650.0	0.00	0.00	0.00

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
6,970.1	6,748.0	G1 Top		1.15	5.00
	6,754.0	G1 Base		1.15	5.00

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
6,283.0	6,283.0	0.0	0.0	Casing Exit / Start Build 12.00
7,023.4	6,760.4	466.1	40.8	Start hold at 7023.4 MD
9,206.0	6,804.2	2,640.0	231.0	TD at 9206.0

QUESTAR

Company: Questar Exploration & Production
Field: Brennan Bottom Unit
Location: Sec.13-T7S-R20E
Well: Brennan Federal #1
Wellbore #1
Plan: Plan #1-Lat #2 (Brennan Federal #1/Wellbore #1)

PATHFINDER ENERGY SERVICES

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
6262.0	0.00	0.00	6262.0	0.0	0.0	0.00	0.00	0.0	
7023.4	91.37	175.00	6739.3	-487.0	42.6	12.00	175.00	488.9	
10510.6	91.37	175.00	6656.0	-3960.0	346.5	0.00	0.00	3975.1	

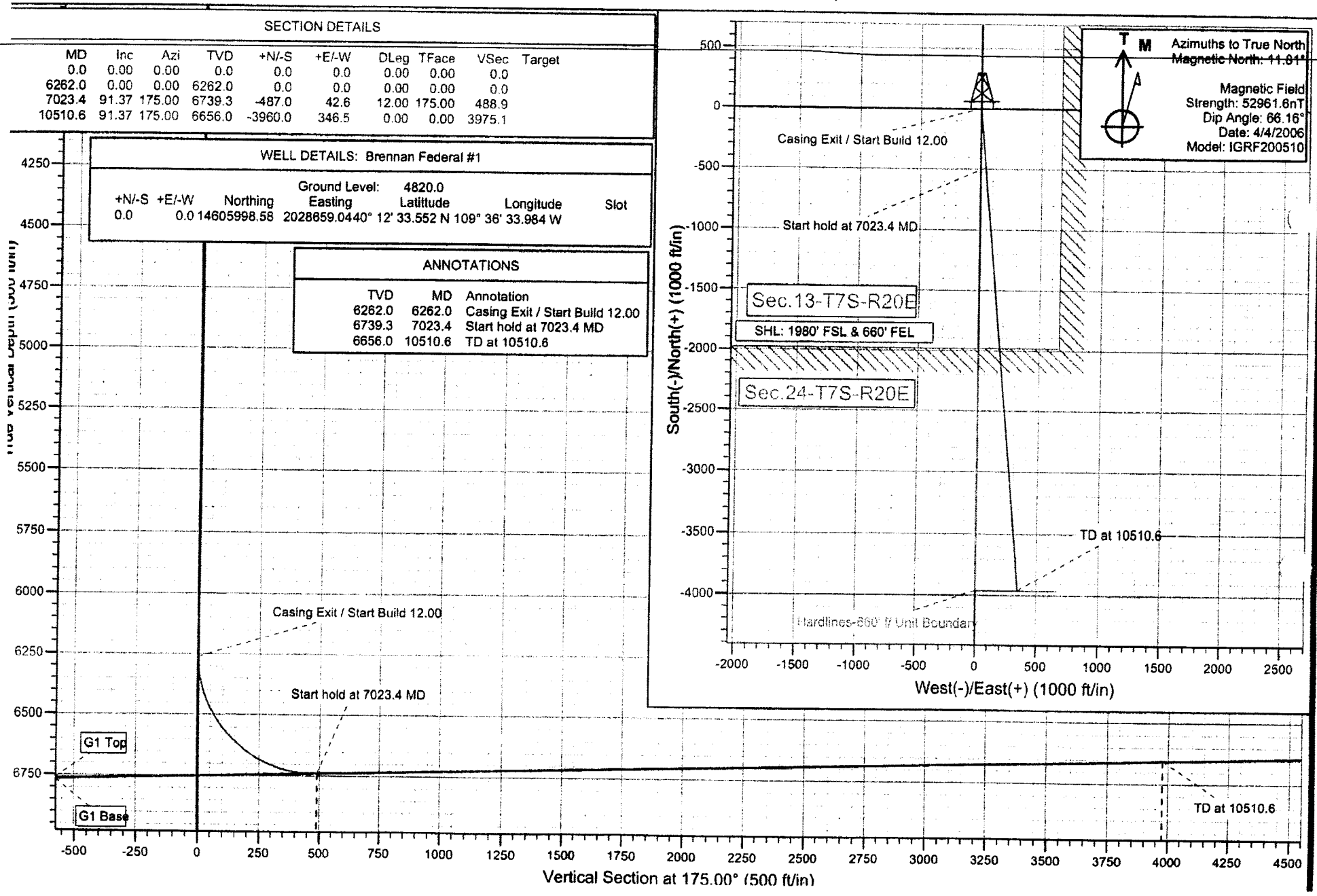
WELL DETAILS: Brennan Federal #1

Ground Level: 4820.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	14605998.58	2028659.04	40° 12' 33.552 N	109° 36' 33.984 W	

ANNOTATIONS

TVD	MD	Annotation
6262.0	6262.0	Casing Exit / Start Build 12.00
6739.3	7023.4	Start hold at 7023.4 MD
6656.0	10510.6	TD at 10510.6



Questar Exploration & Production

Brennan Bottom Unit
Sec.13-T7S-R20E
Brennan Federal #1
Wellbore #1

Plan: Plan #1-Lat #2

Pathfinder Planning Report

05 April, 2006

Pathfinder Energy Services

Planning Report

Database:	EDM 2003.14 Single User Db	Local Co-ordinate Reference:	Well Brennan Federal #1
Company:	Questar Exploration & Production	TVD Reference:	WELL @ 4831.0ft (Original Well Elev)
Project:	Brennan Bottom Unit	MD Reference:	WELL @ 4831.0ft (Original Well Elev)
Site:	Sec.13-T7S-R20E	North Reference:	True
Well:	Brennan Federal #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1-Lat #2		

Project	Brennan Bottom Unit		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Utah - HARN		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Sec.13-T7S-R20E				
Site Position:		Northing:	14,605,998.58 ft	Latitude:	40° 12' 33.552 N
From:	Lat/Long	Easting:	2,028,659.04 ft	Longitude:	109° 36' 33.984 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.90 °

Well	Brennan Federal #1					
Well Position	+N/-S	0.0 ft	Northing:	14,605,998.58 ft	Latitude:	40° 12' 33.552 N
	+E/-W	0.0 ft	Easting:	2,028,659.04 ft	Longitude:	109° 36' 33.984 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,820.0 ft

Wellbore	Wellbore #1			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	4/4/2006	11.81	66.16	52,962

Design	Plan #1-Lat #2			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	175.00

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,262.0	0.00	0.00	6,262.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,023.4	91.37	175.00	6,739.3	-487.0	42.6	12.00	12.00	0.00	175.00	
10,510.6	91.37	175.00	6,656.0	-3,960.0	346.5	0.00	0.00	0.00	0.00	

Database:	EDM 2003.14 Single User Db	Local Co-ordinate Reference:	Well Brennan Federal #1
Company:	Questar Exploration & Production	TVD Reference:	WELL @ 4831.0ft (Original Well Elev)
Project:	Brennan Bottom Unit	MD Reference:	WELL @ 4831.0ft (Original Well Elev)
Site:	Sec.13-T7S-R20E	North Reference:	True
Well:	Brennan Federal #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1-Lat #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
Casing Exit / Start Build 12.00									
6,262.0	0.00	0.00	6,262.0	0.0	0.0	0.0	0.00	0.00	0.00
6,275.0	1.56	175.00	6,275.0	-0.2	0.0	0.2	12.00	12.00	0.00
6,300.0	4.56	175.00	6,300.0	-1.5	0.1	1.5	12.00	12.00	0.00
6,325.0	7.56	175.00	6,324.8	-4.1	0.4	4.2	12.00	12.00	0.00
6,350.0	10.56	175.00	6,349.5	-8.1	0.7	8.1	12.00	12.00	0.00
6,375.0	13.56	175.00	6,373.9	-13.3	1.2	13.3	12.00	12.00	0.00
6,400.0	16.56	175.00	6,398.1	-19.7	1.7	19.8	12.00	12.00	0.00
6,425.0	19.56	175.00	6,421.9	-27.4	2.4	27.6	12.00	12.00	0.00
6,450.0	22.56	175.00	6,445.2	-36.4	3.2	36.5	12.00	12.00	0.00
6,475.0	25.56	175.00	6,468.0	-46.5	4.1	46.7	12.00	12.00	0.00
6,500.0	28.56	175.00	6,490.3	-57.9	5.1	58.1	12.00	12.00	0.00
6,525.0	31.56	175.00	6,511.9	-70.4	6.2	70.6	12.00	12.00	0.00
6,550.0	34.56	175.00	6,532.9	-83.9	7.3	84.3	12.00	12.00	0.00
6,575.0	37.56	175.00	6,553.1	-98.6	8.6	99.0	12.00	12.00	0.00
6,600.0	40.56	175.00	6,572.5	-114.3	10.0	114.7	12.00	12.00	0.00
6,625.0	43.56	175.00	6,591.0	-131.0	11.5	131.5	12.00	12.00	0.00
6,650.0	46.56	175.00	6,608.7	-148.6	13.0	149.2	12.00	12.00	0.00
6,675.0	49.56	175.00	6,625.4	-167.1	14.6	167.8	12.00	12.00	0.00
6,700.0	52.56	175.00	6,641.1	-186.5	16.3	187.2	12.00	12.00	0.00
6,725.0	55.56	175.00	6,655.8	-206.6	18.1	207.4	12.00	12.00	0.00
6,750.0	58.56	175.00	6,669.4	-227.5	19.9	228.4	12.00	12.00	0.00
6,775.0	61.56	175.00	6,681.8	-249.1	21.8	250.1	12.00	12.00	0.00
6,800.0	64.56	175.00	6,693.2	-271.3	23.7	272.4	12.00	12.00	0.00
6,825.0	67.56	175.00	6,703.3	-294.1	25.7	295.2	12.00	12.00	0.00
6,850.0	70.56	175.00	6,712.2	-317.3	27.8	318.6	12.00	12.00	0.00
6,875.0	73.56	175.00	6,719.9	-341.0	29.8	342.3	12.00	12.00	0.00
6,900.0	76.56	175.00	6,726.4	-365.1	31.9	366.5	12.00	12.00	0.00
6,925.0	79.56	175.00	6,731.6	-389.5	34.1	390.9	12.00	12.00	0.00
6,950.0	82.56	175.00	6,735.4	-414.1	36.2	415.6	12.00	12.00	0.00
G1 Top									
6,969.7	84.92	175.00	6,737.6	-433.6	37.9	435.2	12.00	12.00	0.00
6,975.0	85.56	175.00	6,738.0	-438.8	38.4	440.5	12.00	12.00	0.00
7,000.0	88.56	175.00	6,739.3	-463.7	40.6	465.5	12.00	12.00	0.00
Start hold at 7023.4 MD									
7,023.4	91.37	175.00	6,739.3	-487.0	42.6	488.9	12.00	12.00	0.00
7,100.0	91.37	175.00	6,737.5	-563.3	49.3	565.4	0.00	0.00	0.00
7,200.0	91.37	175.00	6,735.1	-662.9	58.0	665.4	0.00	0.00	0.00
7,300.0	91.37	175.00	6,732.7	-762.5	66.7	765.4	0.00	0.00	0.00
7,400.0	91.37	175.00	6,730.3	-862.1	75.4	865.4	0.00	0.00	0.00
7,500.0	91.37	175.00	6,727.9	-961.7	84.1	965.3	0.00	0.00	0.00
7,600.0	91.37	175.00	6,725.5	-1,061.2	92.8	1,065.3	0.00	0.00	0.00
7,700.0	91.37	175.00	6,723.2	-1,160.8	101.6	1,165.3	0.00	0.00	0.00
7,800.0	91.37	175.00	6,720.8	-1,260.4	110.3	1,265.2	0.00	0.00	0.00
7,900.0	91.37	175.00	6,718.4	-1,360.0	119.0	1,365.2	0.00	0.00	0.00
8,000.0	91.37	175.00	6,716.0	-1,459.6	127.7	1,465.2	0.00	0.00	0.00
8,100.0	91.37	175.00	6,713.6	-1,559.2	136.4	1,565.2	0.00	0.00	0.00
8,200.0	91.37	175.00	6,711.2	-1,658.8	145.1	1,665.1	0.00	0.00	0.00
8,300.0	91.37	175.00	6,708.8	-1,758.4	153.8	1,765.1	0.00	0.00	0.00
8,400.0	91.37	175.00	6,706.4	-1,858.0	162.6	1,865.1	0.00	0.00	0.00

Database:	EDM 2003.14 Single User Db	Local Co-ordinate Reference:	Well Brennan Federal #1
Company:	Questar Exploration & Production	TVD Reference:	WELL @ 4831.0ft (Original Well Elev)
Project:	Brennan Bottom Unit	MD Reference:	WELL @ 4831.0ft (Original Well Elev)
Site:	Sec.13-T7S-R20E	North Reference:	True
Well:	Brennan Federal #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1-Lat #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,500.0	91.37	175.00	6,704.0	-1,957.6	171.3	1,965.0	0.00	0.00	0.00
8,600.0	91.37	175.00	6,701.6	-2,057.2	180.0	2,065.0	0.00	0.00	0.00
8,700.0	91.37	175.00	6,699.2	-2,156.7	188.7	2,165.0	0.00	0.00	0.00
8,800.0	91.37	175.00	6,696.9	-2,256.3	197.4	2,265.0	0.00	0.00	0.00
8,900.0	91.37	175.00	6,694.5	-2,355.9	206.1	2,364.9	0.00	0.00	0.00
9,000.0	91.37	175.00	6,692.1	-2,455.5	214.8	2,464.9	0.00	0.00	0.00
9,100.0	91.37	175.00	6,689.7	-2,555.1	223.5	2,564.9	0.00	0.00	0.00
9,200.0	91.37	175.00	6,687.3	-2,654.7	232.3	2,664.8	0.00	0.00	0.00
9,300.0	91.37	175.00	6,684.9	-2,754.3	241.0	2,764.8	0.00	0.00	0.00
9,400.0	91.37	175.00	6,682.5	-2,853.9	249.7	2,864.8	0.00	0.00	0.00
9,500.0	91.37	175.00	6,680.1	-2,953.5	258.4	2,964.8	0.00	0.00	0.00
9,600.0	91.37	175.00	6,677.7	-3,053.1	267.1	3,064.7	0.00	0.00	0.00
9,700.0	91.37	175.00	6,675.3	-3,152.7	275.8	3,164.7	0.00	0.00	0.00
9,800.0	91.37	175.00	6,672.9	-3,252.2	284.5	3,264.7	0.00	0.00	0.00
9,900.0	91.37	175.00	6,670.6	-3,351.8	293.2	3,364.6	0.00	0.00	0.00
10,000.0	91.37	175.00	6,668.2	-3,451.4	302.0	3,464.6	0.00	0.00	0.00
10,100.0	91.37	175.00	6,665.8	-3,551.0	310.7	3,564.6	0.00	0.00	0.00
10,200.0	91.37	175.00	6,663.4	-3,650.6	319.4	3,664.6	0.00	0.00	0.00
10,300.0	91.37	175.00	6,661.0	-3,750.2	328.1	3,764.5	0.00	0.00	0.00
10,400.0	91.37	175.00	6,658.6	-3,849.8	336.8	3,864.5	0.00	0.00	0.00
10,500.0	91.37	175.00	6,656.2	-3,949.4	345.5	3,964.5	0.00	0.00	0.00
TD at 10510.6									
10,510.6	91.37	175.00	6,656.0	-3,960.0	346.5	3,975.1	0.00	0.00	0.00

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
6,969.7	6,748.0	G1 Top		-1.37	175.00
	6,754.0	G1 Base		-1.37	175.00

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
6,262.0	6,262.0	0.0	0.0	Casing Exit / Start Build 12.00
7,023.4	6,739.3	-487.0	42.6	Start hold at 7023.4 MD
10,510.6	6,656.0	-3,960.0	346.5	TD at 10510.6

FIELD: Brennan Bottoms | GL: 4,830 ' KB: 4,846 ' | Spud Date: 7-6-53 Date of last work 3-16-06

Well: Brennan #1 | TD: 8,080 ' PBTD: 7,495 ' | Current Well Status: Pumping Oil Well

Location NESE Sec. 13, T7S, R21E
API#:43-047 15417
Uintah County, Utah

Reason for Pull/Workover:
Recomplete in G-1 Lime

Wellbore Schematic

Surface casing
Size: 9-5/8"
Weight: 36#
Grade: K-55
Set @ 673'
Cmtd w/ 660 sks
Hole size: 13-3/8"

TOC @ 6640 '

EXCLUDED PERFS

OPEN PERFS

Anchor @ 6748 '
PSN @ 6749 '
6749' - 6756' w/4 spf
EOT @ 6779 '

CIBP @ 6855'
6870' - 6960'

6980' - 7001'
7025' - 7045'
7060' - 7080'
7105' - 7122'

7220' - 7248' *
7255' - 7275'

7310' - 7328'

PBTD @ 7495 '
(cement plug - 11-13-67)
TD @ 8000 '

Production Casing
Size: 7"
Weight: 23#
Grade: J-55 & S-95
Set @ 7591'
Cmtd w/ 375 sks Ideal
Hole size: 9"

Tubing Landing Detail:

Description	Size	Footage	Depth
KB		16.00	16.00
Hanger		0.75	16.75
Tension		1.50	18.25
221 jts tubing	2-7/8"	6,727.84	6,746.09
TAC	7"	2.33	6,747.42
PSN	2-7/8"	1.10	6,748.72
1 jt	2-7/8"	30.25	6,778.97
Phased NC	2-7/8"	0.46	6,779.43
			6,779.43
			6,779.43
EOT @			6,779.43

Tubing Information:
Condition:
New: ____ Used: ____ Reran: X
Grade: J-55
Weight (#/ft): 6.50

Sucker Rod Detail:

Size	#Rods	Rod Type
1-1/2" x 30'		Polish Rod
7/8" x 6'	1	Pony
7/8"	99	Plain
3/4"	170	Plain

Rod Information
Condition:
New: X Used: ____ Reran:
Grade:
Manufacture: Weatherford

Pump Information:
Pump size: 2-1/2 x 1-1/2 x 16 x 17 x 20 RHAP
Make & SN Weatherford #WC69
Max Stroke 177" Run Date: 3-16-06
Reran: ____ New Run: ____ Rebuilt: X

ESP Well
Cable Size:
Pump Intake @
End of Pump @

Flowing Well
SN @
PSN @
EOT @

Wellhead Detail: Example: 7-1/16" 3000#
7-1/6" 3000#

Other:
Hanger: Yes XX No ____

SUMMARY
1. 6/05 ACIDIZED WELL W/ 5,000 GALS OF 15% HCl FOLLOWED BY 10,000 GALS O
2. 10/07 CONVERTED FROM HYDRAULIC PUMP TO ROD PUMP.
3. 8/07 ACIDIZED W/ 4,000 GALS OF 15% HCl BTI'.
3-06 Recompleted in G-1 Lime 6748' - 6756'. Acidized w/2000 gals 15% HCl.

*Per UIGS Log of Oil or Gas well dated 2-15-'54.

Prepared By Jane Pennell Date: 3-28-06

May 15, 2007

MEMO TO WELL FILE:

QEP Uinta Basin, Inc
Brennan 1
T07S R20E Sec 13
API # 43- 047-15417
Uintah County

Permit misplaced. QEP sent in this paperwork for our well file.

Carol Daniels
Office Technician II

Brennan #1 - Lateral #1 & #2 procedure:
BOP: 3M

Lateral #1

1. MIRU
2. Dump-bail 35' of cement on top of lower CIBP already in place at 6855'.
3. Set a CIBP at 6300'. Place stick-up to orient.
4. Set whipstock and cut a window in the 7" casing at KOP (6283' TMD).
5. Build angle at ~12°/100 ft. to 90°, 5° azimuth.
6. Once landed in zone, drill ~ 2640' laterally, TD at ~ 9206' MD.
7. No casing will be run, therefore, no cement.
8. The mud system will be a KCL weighted water base mud. Mud weights will be 9.0 - 9.4 ppg.
9. The lateral will be left as open hole.
10. POOH with whipstock, re-space and re-orient.

Lateral #2

1. Set whipstock at 2nd KOP and cut a window in the 7" casing at 6262' TMD.
2. Build angle at ~12°/100 ft. to 90°, 175° azimuth.
3. Once landed in zone, drill ~ 3960' laterally, TD at ~ 10,511 MD.
4. No casing will be run, therefore, no cement.
5. The mud system will be a KCL weighted water base mud. Mud weights will be 9.0 - 9.4 ppg.
6. The lateral will be left as open hole.
7. All plugs used for depth control will be removed from wellbore prior to turning to production.
8. CIBP at will be left in place to be used for future lateral legs in other directions.

Recompletion Proposal: mill out holes in casing, whipstock out 2 multi lateral horizontal legs.

Comments to incomplete application:

Workover procedure

Missing information:

Width of lateral wellbores (both): The drill bit and hole size will be 6 1/8".

Depth and description of plugs used prior to whipstocking out: Set a CIBP at 6300'.

Other missing items

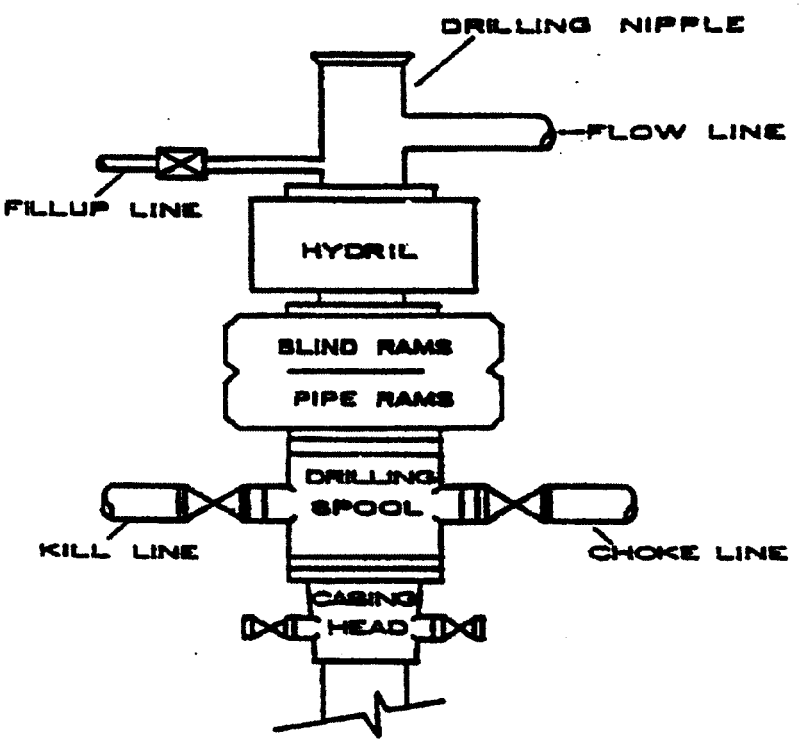
Wellbore schematic – see attached

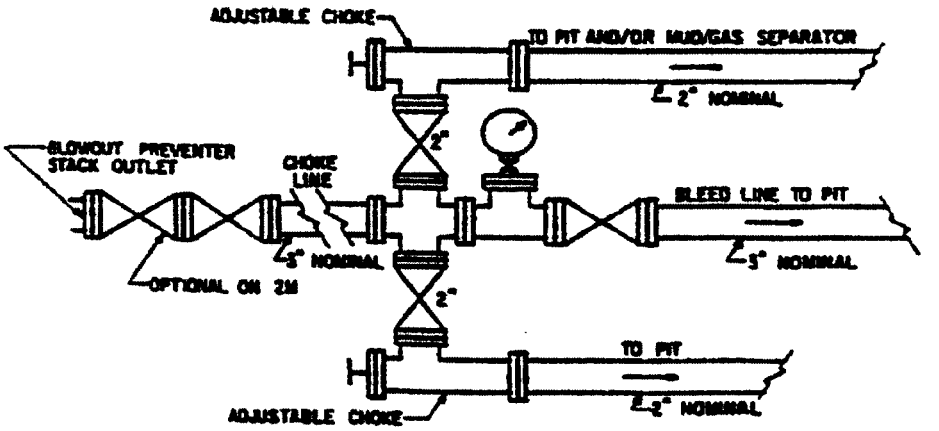
Casing info – see attached

Cement tops – see attached

Production perfs – see attached

3M
BOP schematic – Exhibit
A





Info on BOP testing:

BLM notification of testing: The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 3M system **(exhibit A)** and individual components shall be operable as designed. Chart recorders will be used for all

pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and will be made available to a BLM representative upon request.

All required BOP tests and/or drills will be recorded in the IADC report.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2 regarding air or gas shall be adhered to. If a mist system is being utilized, the requirement for a deduster shall be waived.

Drilling fluids handling program – will there be a steel mud tank on location? - yes

DRILLING FLUIDS PROGRAM FOR HORIZONTAL WELL

TYPE AND CHARACTERISTICS OF THE CIRCULATION MUDS

Interval	Type	Mud Weight
0' - TD	Water/LSND (as hole conditions warrant).	8.7 to 10 ppg

Chromate Additives: No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Monitoring of the mud system will be by Pit Volume Totalizer (PVT) equipment. The PVT equipment will measure the volume of mud in the surface pits to allow measurement of any fluid entry into the wellbore. A Flow Sensor is installed on the flow line to measure any change in fluid flow down the flow line. The sensor will also help determine a fluid entry in the wellbore.

Will a workover pit be dug out on location? – yes

NOTICE

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.

- Within 30 days after the completion or plugging of a well, the following shall be filed:
  - Form 8, Well Completion or Recompletion Report and Log
  - A copy of electric and radioactivity logs, if run
  - A copy of drillstem test reports,
  - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
  - A copy of core analyses, and lithologic logs or sample descriptions if compiled
  - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division has not received the required reports for

Operator: Questar Exploration & Production Co Today's Date: 11/27/2007

Well: API Number: Drilling Commenced:

See Attachment

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please call (801) 538-5284.

cc: Well File
Compliance File

Well:		API Number:	Commenced:
WV 5W-36-7-21	drlg rpts/wcr	4304734099	05/29/2003
WV 4D-12-8-21	drlg rpts/wcr	4304734268	09/26/2003
WV 9W-11-8-21	drlg rpts/wcr	4304734274	09/26/2003
Brennan 1	wcr	4304715417	07/19/2003
WV 8W-1-8-21	drlg rpts/wcr	4304734009	06/16/2003
OU SG 4W-11-8-22	drlg rpts/wcr	4304735071	06/11/2005
OU SG 5W-11-8-22	drlg rpts/wcr	4304735072	06/11/2005
OU SG 14W-11-8-22	drlg rpts/wcr	4304735114	06/16/2005
OU SG 13W-11-8-22	drlg rpts/wcr	4304735377	06/16/2005
GH 16W-19-8-21	drlg rpts/wcr	4304735325	06/27/2005
OU GB 8MU 10-8-22	drlg rpts/wcr	4304735422	03/22/2006
WV 3DML-13-8-21	drlg rpts/wcr	4304737923	09/27/2006
GB 12SG-29-8-22	drlg rpts/wcr	4304738766	04/25/2007
GB 4SG-36-8-21	drlg rpts/wcr	4304738764	05/03/2007
BZ 10D-16-8-24	drlg rpts/wcr	4304737671	05/09/2007
RW 34-34AD	drlg rpts/wcr	4304736351	06/07/2007
RWS 14D-6-9-24	drlg rtps/wcr	4304737414	07/20/2007

Form 3160-5
(June 1990)

UNITED STATES
DEPA. 1ENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: UTSL-65342

6. If Indian, Allottee or Tribe Name: N/A

7. If Unit or CA, Agreement Designation: 891000556A

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: BRENNAN #1

2. Name of Operator: QEP, UINTA BASIN, INC.

9. API Well No.: 43-047-15417

3. Address and Telephone No.: 11002 E. 17500 S. VERNAL, UT 84078-8526
Contact: Dahn.Caldwell@questar.com
435-781-4342 Fax 435-781-4357

10. Field and Pool, or Exploratory Area: BRENNAN BOTTOMS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL, 660' FEL, NESE, SEC 13-T7S-R20E, SLBM

11. County or Parish, State: UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other RECOMP/HORIZ LATERAL	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

On 10/4/06 – Started Recompletion/Complete Horizontal Lateral to this well.

1 – On 10/4/06, MIRU Gudac Brothers Well Service. NU 3M# BOP's.

2 – Continue to RIH w/ ret head & tbg & latch on to and release and POOH with RBP @ 6000'. RIH w/ 4-3/4" bit & BHA & 2-7/8" tbg and go into open hole lateral and tag @ 9220' with end of OH lateral at 9231'.

3 – Window @ 6224' – 6232'.

4 – RIH thru OH later and into open hole with bit and tbg to 9143'. Pump 7500 gal of 15% HCL and flush with 2% KCL water and 20 bbls of 10# brine. Move bit to 8362' & pump 7500 gals of 15% HCL acid and flush with 2% KCL.

5 – Move bit to 7452' and pump 7500 gals of 15% HCL and flush with 20 bbls of 10# brine. Pull bit to 6150' and flush tbg & csg with 180 bbls of 2% KCL water.

6 – RIH w/ production string as follows: Barred NC, 1 jt; SN; 7" anchor & 189 jts of tbg. ND BOP's and NU WH. Set anchor with 17M# tension. Land on B-1 adaptor and NU WH.

7 - Tbg Detail: Barred NC; 1 jt; SN; tbg anchor catcher & 190 jts of tbg to surface. All tbg is 2-7/8" EUE 8rd J-55 6.5#. Tbg tail @ 6190'; SN @ 6157' and anchor catcher set with 17M# tension is at 6156' KB depths.

8 – Bucket test new pump & RIH w/ pump & rods & space out & long stroke to 750# & held OK.

9 – Pump: 2-1/2"x1-1/2"x16x18x19 RHAC. #1840 – 3 cup with max stroke of 154". Rods: 165-3/4" plain; 77-7/8" plain; 1-8' and 1-6' and 1-4'x7/8" pony rods. 1-1/2"x 26' polish rod.

10 - On 10/16/06 - Turn well over to production department. Final report of well completion in the newly drilled OH lateral.

3 - BLM, 2- Utah OG&M, 1 – Denver, 1 – file Word file-server

14. I hereby certify that the foregoing is true and correct.
Signed Jim Simonton Title Completion Supervisor Date 4/26/07

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any:

CONFIDENTIAL

RECEIVED
JUL 13 2007
DIV OF OIL, GAS & MINING

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side).

Revision 8/7/07

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.: **UTSL - 065342**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: **N/A**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL — OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b TYPE OF COMPLETION — NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR [X] Other **Re-Entry Lateral 1**

7. UNIT AGREEMENT NAME: **891000556A**

8. FARM OR LEASE NAME:

2. NAME OF OPERATOR: **QUESTAR EXPLORATION & PRODUCTION**

9. WELL NO.: **BRENNAN # 1** LAT 1

3. ADDRESS OF OPERATOR: **1571 East 1700 South - Vernal, UT 84078** Contact: **Dahn Caldwell** **435-781-4342** Fax # **435.781.4357**

10. FIELD AND POOL, OR WILDCAT: **BRENNAN BOTTOMS**

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*

At surface **1980' FSL, 660' FEL, NESE, SEC 13-T7S-R20E, SLBM**

At top rod. interval reported below

At total depth **2427'FNL, 491' FEL, NENE, SEC 13-T7S-R20E, SLBM, LATERAL 1**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: **SEC 13-T7S-R20E, SLBM**

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-15417		UINTAH	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
7/21/06	7/28/06	N/A	KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7547' TMD 7600 w/162 6762' TVD	Horiz @ 7600'		——>	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION–TOP, BOTTOM, NAME (MD AND TVD)*

Window @ 6275– 6285'
Horiz PBTD @ 7600'
6 1/8"Open Hole

25. WAS DIRECTIONAL SURVEY MADE: **YES**

26. TYPE ELECTRIC AND OTHER LOGS RUN: **CBL/ VDL/ GR**

27. WAS WELL CORED: **NO**

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	637'	15"	660 SXS	
7"	23#	7591'	9"	375 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	N/A	N/A

31. PERFORATION RECORD (*Interval, size and number*)

Window @ 6275'– 6285'MD
6 1/8" OPEN HOLE
ISOLATED WITH CIBP AND CAPPED WITH 15' CMT

32. /ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	N/A

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping–size and type of pump*)	WELL STATUS (*Producing or shut-in*)
N/A	N/A	DA

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD ——>	OIL–BBL.	GAS–MCF.	WATER–BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ——>	OIL–BBL.	GAS–MCF	WATER—BBL	OIL GRAVITY-API (CORR.)

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34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*) TEST WITNESSED BY

35. LIST OF ATTACHMENTS
WELLBORE SCHEMATIC & DIRECTONAL SURVEY

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED **JIM SIMONTON** Jim Simonton (for) TITLE **COMPLETION SUPERVISOR** DATE **8/7/07**

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side).

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

8/7/07 Revision

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.: UTSL - 065342
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT AGREEMENT NAME: 891000556A
8. FARM OR LEASE NAME:
9. WELL NO.: BRENNAN #1 CAR2
10. FIELD AND POOL, OR WILDCAT: BRENNAN BOTTOMS
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SEC 24-T7S-R20E, SLBM

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR [X] Other Re-Entry Lateral 2

2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION

3. ADDRESS OF OPERATOR: 1571 East 1700 South - Vernal, UT 84078
Contact: Dahn Caldwell 435-781-4342
Fax # 435.781.4357

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements)**
At surface: 1980' FSL, 660' FEL, NESE, SEC 13-T7S-R20E, SLBM
At top rod. interval reported below
At total depth: 699'FNL, 338' FEL, NENE, SEC 24-T7S-R20E, SLBM, LATERAL 2

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-15417		UINTAH	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
7/03/06	9/16/06	10/20/06	KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
9160' TMD 6679' TVD	HORIZ -9231' MD		——>	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION–TOP, BOTTOM, NAME (MD AND TVD)*
Window @ 6224' – 6232' MD 6 1/8" lateral drilled f/ 6224' - 9231' Open Hole
Whipstock @ 6224' MD
HORIZ – 9231' MD

25. WAS DIRECTIONAL SURVEY MADE: YES

026. TYPE ELECTRIC AND OTHER LOGS RUN: CBL/ VDL/GR

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	637'	15"	660 SXS	
7"	23#	7591'	9"	375 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	6190'	N/A

31. PERFORATION RECORD (*Interval, size and number*)
Window @ 6224' – 6232' MD
Whipstock @ 6224' MD
HORIZ PBTD @ 9231' MD

32. /ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	Acidize w/ 22,500 gals 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping–size and type of pump*)	WELL STATUS (*Producing or shut-in*)
10/20/06	PUMPING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD ——>	OIL–BBL.	GAS–MCF.	WATER–BBL.	GAS-OIL RATIO
10/23/06	24			229	N/A	1	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ——>	OIL–BBL.	GAS–MCF	WATER–BBL.	OIL GRAVITY-API (CORR.)
220	45					

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): SOLD
TEST WITNESSED BY

RECEIVED
AUG 10 2007
DIV. OF OIL, GAS & MINING

35. LIST OF ATTACHMENTS: WELLBORE SCHEMATIC & DIRECTONAL SURVEY

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED JIM SIMONTON (Jim Simonton) TITLE COMPLETION SUPERVISOR DATE 8/7/07

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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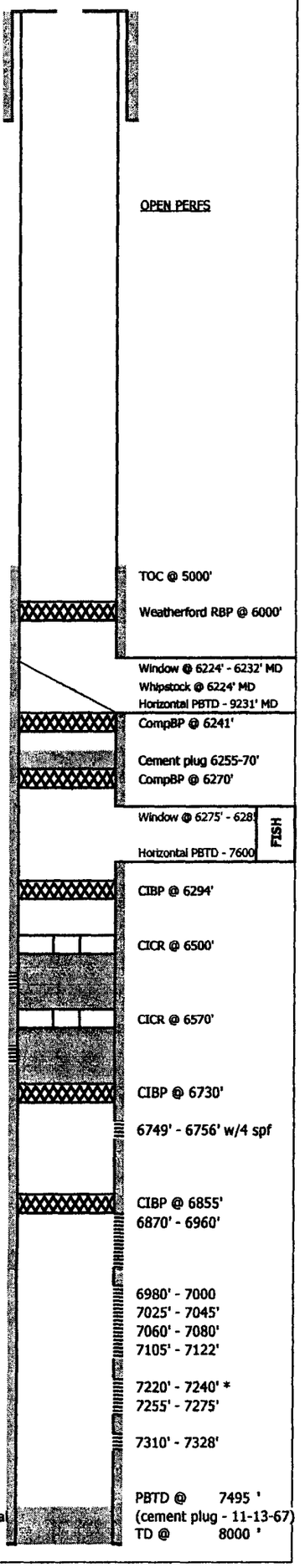
FIELD: Brennan Bottoms | GL: 4,830 ' KBE: 4,846 ' | Spud Date: 7-6-53 Date of last work 10/16/06

Well: Brennan #1 | TD: 8,000 ' PBTD: 7,495 ' | Current Well Status: Producing

Location: NESE Sec. 13, T7S, R21E
API#:43-047 15417
Uintah County, Utah

Reason for Pull/Workover:
Acidize & ran production equipment.

Wellbore Schematic



Tubing Landing Detail:

Description	Size	Footage	Depth
KB		16.00	16.00
No Hanger			16.00
Tension		1.50	17.50
189 Jts 2-7/8" J-55		6,135.73	6,153.23
7" TAC		2.33	6,155.56
P.S.N.		1.10	6,156.66
1 Jt 2-7/8" J-55		32.47	6,189.13
Barred Notch Collar		0.45	6,189.58
			6,189.58
EOT @			6,189.58

Tubing Information:
Condition:
New: _____ Used: _____ Rerun: X
Grade: J-55 EUE 8rd
Weight (#/ft): 6.5#

Sucker Rod Detail:

Size	#Rods	Rod Type
3/4" plain	165	
7/8" plain	77	
8' pony rod	1	
6' pony rod	1	
4'x7/8" pony rods	1	
1/2"x26'	1	

Rod Information
Condition:
New: _____ Used: _____ Rerun:
Grade:
Manufacture:

Pump Information:
Pump size: 2-1/2"x1-1/2"x16x18x19 RHAC #1840 MAX Stroke 154"
Make & SN:
Max Stroke: 154' Run Date:
Rerun: _____ New Run: Rebuild:

ESP Well
Cable Size:
Pump Intake @ '
End of Pump @ '

Flowing Well
SN @
PKR @
EOT @

Wellhead Detail: Example: 7-1/16" 3000#
7-1/6" 3000#
Other:
Hanger: Yes _____ No X

SUMMARY
1. 8/55 ACIDIZED WELL W/ 8,000 GALS OF 15% HCl & 10,000 GALS GEL, RTP
2. 10/67 CONVERTED FROM HYDRRAULIC PUMP TO ROD PUMP.
3. 5/77 ACIDIZED W/ 4,000 GALS OF 15% HCl RTP.
3-06 Recompleted in G-1 Lime 6749' - 6756'. Acidized w/2000 gals 15% HCl.
7-06 Pumped two squeezes attempting to improve cement bond for horizontal drilling.
7/20/06-9/18/06 - Drilled 2 horizontal laterals. Left motor & bit in lower lateral.
10/4/06 - 10/16/06 - Acidize & Ran Tbg Equipment.

*Per USGS Log of Oil or Gas well dated 2-15-54.

Prepared By Dahn Caldwell Date: 11/15/06

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Questar E & P

Deviation Summary

CONFIDENTIAL

Well Name: BRENNAN 1 (13-7S-20E)
TMD: 9,160.0 (ft) TVD: 6,679.80 (ft)
Closure Distance: 2,698.8 (ft) Closure Direction: 173.16 (°)
Location: 13- 7-S 20-E 26
Spud Date: 7/21/2006
Calculation Method: Minimum Curvature

S/T #	V.S. AZI (°)
OH	175.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	6,314.0	1.23	81.86	NYN	6,311.99	-109.29	31.62	-106.12	0.00	0.00	MWD
OH	6,345.0	6.42	29.65	YNN	6,342.92	-107.74	32.81	110.18	18.54	16.74	MWD
OH	6,377.0	11.52	28.33	YNN	6,374.51	-103.37	35.21	106.04	15.95	15.94	MWD
OH	6,406.0	16.53	32.55	YNN	6,402.64	-97.33	38.81	100.35	17.62	17.28	MWD
OH	6,438.0	21.28	33.26	YNN	6,432.91	-88.64	44.44	92.17	14.86	14.84	MWD
OH	6,470.0	25.24	31.06	YNN	6,462.30	-77.93	51.15	82.09	12.67	12.38	MWD
OH	6,502.0	28.67	26.84	YNN	6,490.82	-65.23	58.14	70.05	12.27	10.72	MWD
OH	6,534.0	32.10	24.20	YNN	6,518.42	-50.62	65.09	56.10	11.50	10.72	MWD
OH	6,565.0	35.61	20.95	YNN	6,544.17	-34.68	71.70	40.79	12.74	11.32	MWD
OH	6,597.0	39.83	18.93	YNN	6,569.47	-16.27	78.36	23.04	13.74	13.19	MWD
OH	6,629.0	43.79	17.79	YNN	6,593.32	3.97	85.07	3.46	12.60	12.38	MWD
OH	6,661.0	47.13	16.03	YNN	6,615.76	25.79	91.69	-17.70	11.15	10.44	MWD
OH	6,693.0	50.03	13.57	YNN	6,636.93	48.99	97.81	-40.28	10.74	9.06	MWD
OH	6,725.0	53.46	10.93	YNN	6,656.75	73.54	103.13	-64.27	12.52	10.72	MWD
OH	6,756.0	56.89	8.56	YNN	6,674.45	98.62	107.42	-88.88	12.72	11.06	MWD
OH	6,788.0	61.29	7.86	YNN	6,690.88	125.78	111.34	-115.60	13.88	13.75	MWD
OH	6,819.0	65.77	8.21	YNN	6,704.70	153.25	115.22	-142.63	14.49	14.45	MWD
OH	6,851.0	70.08	8.21	YNN	6,716.72	182.60	119.45	-171.49	13.47	13.47	MWD
OH	6,883.0	74.83	7.50	YNN	6,726.36	212.81	123.62	-201.23	14.99	14.84	MWD
OH	6,915.0	79.84	5.75	YNN	6,733.38	243.82	127.21	-231.80	16.54	15.66	MWD
OH	6,947.0	83.62	3.90	YNN	6,737.98	275.37	129.87	-263.00	13.12	11.81	MWD
OH	6,979.0	83.19	4.34	YNN	6,741.66	307.07	132.16	-294.38	1.92	-1.34	MWD
OH	7,009.0	83.40	4.25	YNN	6,745.16	336.78	134.39	-323.79	0.76	0.70	MWD
OH	7,040.0	85.56	4.25	YNN	6,748.14	367.55	136.68	-354.24	6.97	6.97	MWD
OH	7,072.0	85.91	4.16	YNN	6,750.52	399.38	139.01	-385.74	1.13	1.09	MWD
OH	7,104.0	85.82	4.51	YNN	6,752.83	431.20	141.43	-417.24	1.13	-0.28	MWD
OH	7,135.0	85.91	4.79	YNN	6,755.06	462.02	143.93	-447.72	0.95	0.29	MWD
OH	7,167.0	87.58	4.16	YNN	6,756.88	493.87	146.43	-479.23	5.58	5.22	MWD
OH	7,198.0	88.90	3.90	YNN	6,757.83	524.78	148.60	-509.83	4.34	4.26	MWD
OH	7,230.0	88.99	3.99	YNN	6,758.42	556.70	150.81	-541.43	0.40	0.28	MWD
OH	7,261.0	88.99	2.85	YNN	6,758.97	587.64	152.65	-572.10	3.68	0.00	MWD
OH	7,293.0	89.52	3.81	YNN	6,759.38	619.58	154.51	-603.75	3.43	1.66	MWD
OH	7,325.0	89.60	3.46	YNN	6,759.63	651.51	156.54	-635.39	1.12	0.25	MWD

CONFIDENTIAL

Deviation Summary

Well Name: BRENNAN 1 (13-7S-20E) Location: 13- 7-S 20-E 26

TMD: 9,160.0 (ft) TVD: 6,679.80 (ft) Spud Date: 7/21/2006

Closure Distance: 2,698.8 (ft) Closure Direction: 173.16 (°) Calculation Method: Minimum Curvature

S/T #	V.S. AZI (°)
OH	175.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	7,356.0	90.48	4.08	YNN	6,759.61	682.45	158.58	-666.03	3.47	2.84	MWD
OH	7,388.0	89.69	3.64	YNN	6,759.56	714.37	160.73	-697.65	2.83	-2.47	MWD
OH	7,420.0	89.60	3.55	YNN	6,759.76	746.31	162.74	-729.29	0.40	-0.28	MWD
OH	7,452.0	88.90	2.85	YNN	6,760.18	778.26	164.53	-760.96	3.09	-2.19	MWD
OH	7,484.0	88.90	2.32	YNN	6,760.79	810.22	165.97	-792.67	1.66	0.00	MWD
OH	7,515.0	88.29	2.58	YNN	6,761.55	841.18	167.29	-823.40	2.14	-1.97	MWD
OH	7,547.0	88.20	1.97	YNN	6,762.53	873.14	168.56	-855.13	1.93	-0.28	MWD
OH	6,235.0	2.01	165.66	NYN	6,233.60	-107.50	30.60	0.00	0.00	0.00	WST
OH	6,310.0	12.40	165.53	YNN	6,307.91	-116.60	32.94	119.02	13.85	13.85	MWD
OH	6,342.0	15.83	161.31	YNN	6,338.94	-124.06	35.20	126.66	11.18	10.72	MWD
OH	6,374.0	19.17	159.38	YNN	6,369.45	-133.11	38.45	135.96	10.59	10.44	MWD
OH	6,406.0	22.51	158.50	YNN	6,399.35	-143.73	42.55	146.90	10.48	10.44	MWD
OH	6,437.0	25.94	158.50	YNN	6,427.62	-155.57	47.21	159.09	11.06	11.06	MWD
OH	6,468.0	29.37	158.85	YNN	6,455.07	-168.97	52.44	172.90	11.08	11.06	MWD
OH	6,500.0	33.15	158.68	YNN	6,482.42	-184.44	58.45	188.84	11.82	11.81	MWD
OH	6,532.0	37.20	159.38	YNN	6,508.57	-201.66	65.04	206.56	12.72	12.66	MWD
OH	6,564.0	40.00	160.17	YNN	6,533.58	-220.39	71.94	225.82	8.88	8.75	MWD
OH	6,596.0	44.58	160.26	YNN	6,557.25	-240.64	79.23	246.63	14.31	14.31	MWD
OH	6,627.0	48.01	162.81	YNN	6,578.66	-261.90	86.31	268.42	12.56	11.06	MWD
OH	6,656.0	51.35	166.23	YNN	6,597.43	-283.20	92.19	290.16	14.61	11.52	MWD
OH	6,690.0	54.96	169.49	YNN	6,617.82	-309.80	97.89	317.15	13.10	10.62	MWD
OH	6,722.0	58.48	171.01	YNN	6,635.37	-336.16	102.42	343.80	11.69	11.00	MWD
OH	6,754.0	61.03	170.89	YNN	6,651.49	-363.46	106.77	371.38	7.98	7.97	MWD
OH	6,785.0	62.78	170.54	YNN	6,666.09	-390.44	111.18	398.65	5.73	5.65	MWD
OH	6,817.0	64.98	171.68	YNN	6,680.18	-418.83	115.62	427.31	7.58	6.88	MWD
OH	6,849.0	67.01	172.65	YNN	6,693.20	-447.79	119.60	456.51	6.92	6.34	MWD
OH	6,880.0	70.17	171.86	YNN	6,704.51	-476.38	123.49	485.33	10.47	10.19	MWD
OH	6,910.0	74.30	171.95	YNN	6,713.66	-504.66	127.51	513.85	13.77	13.77	MWD
OH	6,942.0	77.21	173.26	YNN	6,721.54	-535.41	131.50	544.84	9.92	9.09	MWD
OH	6,973.0	79.93	174.14	YNN	6,727.68	-565.61	134.83	575.21	9.20	8.77	MWD
OH	7,005.0	82.57	174.76	YNN	6,732.55	-597.09	137.89	606.83	8.47	8.25	MWD
OH	7,037.0	86.17	175.46	YNN	6,735.69	-628.81	140.60	638.67	11.46	11.25	MWD
OH	7,069.0	90.40	175.90	YNN	6,736.64	-660.70	143.01	670.65	13.29	13.22	MWD

Questar E & P

Deviation Summary

CONFIDENTIAL

Well Name: BRENNAN 1 (13-7S-20E) | Location: 13- 7-S 20-E 26 | S/T # | V.S. AZI (°)
TMD: 9,160.0 (ft) | TVD: 6,679.80 (ft) | Spud Date: 7/21/2006 | OH | 175.00
Closure Distance: 2,698.8 (ft) | Closure Direction: 173.16 (°) | Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	7,100.0	92.24	176.52	YNN	6,735.93	-691.62	145.06	701.63	6.26	5.94	MWD
OH	7,132.0	92.86	179.69	YNN	6,734.50	-723.57	146.12	733.55	10.08	1.94	MWD
OH	7,163.0	93.74	176.69	YNN	6,732.72	-754.50	147.10	764.45	10.07	2.84	MWD
OH	7,195.0	93.47	177.13	YNN	6,730.71	-786.39	148.82	796.37	1.61	-0.84	MWD
OH	7,226.0	92.68	176.96	YNN	6,729.04	-817.30	150.41	827.30	2.61	-2.55	MWD
OH	7,258.0	92.77	176.87	YNN	6,727.52	-849.22	152.13	859.25	0.40	0.28	MWD
OH	7,290.0	91.28	176.43	YNN	6,726.39	-881.14	154.00	891.21	4.85	-4.66	MWD
OH	7,322.0	90.48	176.52	YNN	6,725.90	-913.08	155.97	923.20	2.52	-2.50	MWD
OH	7,353.0	90.75	176.16	YNN	6,725.57	-944.01	157.95	954.19	1.45	0.87	MWD
OH	7,385.0	89.68	176.34	YNN	6,725.45	-975.94	160.04	986.18	3.39	-3.34	MWD
OH	7,416.0	89.69	175.99	YNN	6,725.62	-1,006.87	162.11	1,017.17	1.13	0.03	MWD
OH	7,448.0	90.66	176.16	YNN	6,725.52	-1,038.80	164.30	1,049.17	3.08	3.03	MWD
OH	7,480.0	91.63	175.90	YNN	6,724.88	-1,070.72	166.52	1,081.15	3.14	3.03	MWD
OH	7,511.0	92.59	176.43	YNN	6,723.74	-1,101.62	168.59	1,112.13	3.54	3.10	MWD
OH	7,543.0	91.19	176.43	YNN	6,722.68	-1,133.54	170.58	1,144.10	4.38	-4.38	MWD
OH	7,574.0	90.13	174.85	YNN	6,722.33	-1,164.45	172.94	1,175.09	6.14	-3.42	MWD
OH	7,606.0	91.45	175.73	YNN	6,721.89	-1,196.34	175.57	1,207.09	4.96	4.13	MWD
OH	7,638.0	91.89	176.96	YNN	6,720.95	-1,228.26	177.61	1,239.07	4.08	1.38	MWD
OH	7,670.0	90.22	176.43	YNN	6,720.36	-1,260.20	179.45	1,271.04	5.48	-5.22	MWD
OH	7,701.0	89.52	175.73	YNN	6,720.43	-1,291.13	181.57	1,302.04	3.19	-2.26	MWD
OH	7,733.0	90.92	176.69	YNN	6,720.31	-1,323.06	183.68	1,334.03	5.30	4.38	MWD
OH	7,765.0	91.89	177.31	YNN	6,719.53	-1,355.00	185.36	1,366.00	3.60	3.03	MWD
OH	7,797.0	92.51	178.10	YNN	6,718.30	-1,386.95	186.64	1,397.94	3.14	1.94	MWD
OH	7,829.0	91.63	177.84	YNN	6,717.14	-1,418.91	187.77	1,429.88	2.87	-2.75	MWD
OH	7,861.0	91.28	177.48	YNN	6,716.33	-1,450.87	189.08	1,461.83	1.57	-1.09	MWD
OH	7,892.0	92.77	177.75	YNN	6,715.24	-1,481.83	190.37	1,492.78	4.88	4.81	MWD
OH	7,924.0	93.74	177.48	YNN	6,713.42	-1,513.75	191.70	1,524.69	3.15	3.03	MWD
OH	7,956.0	92.95	177.48	YNN	6,711.55	-1,545.66	193.10	1,556.61	2.47	-2.47	MWD
OH	7,988.0	91.19	177.31	YNN	6,710.40	-1,577.61	194.56	1,588.56	5.53	-5.50	MWD
OH	8,019.0	89.08	177.57	YNN	6,710.32	-1,608.57	195.94	1,619.53	6.86	-6.81	MWD
OH	8,051.0	89.52	177.31	YNN	6,710.71	-1,640.54	197.37	1,651.50	1.60	1.38	MWD
OH	8,083.0	89.87	177.57	YNN	6,710.88	-1,672.51	198.80	1,683.47	1.36	1.09	MWD
OH	8,115.0	90.04	177.40	YNN	6,710.91	-1,704.48	200.20	1,715.44	0.75	0.53	MWD

Questar E & P

CONFIDENTIAL

Deviation Summary

Well Name: BRENNAN 1 (13-7S-20E) | Location: 13- 7-S 20-E 26 | S/T # | V.S. AZI (°)

TMD: 9,160.0 (ft) | TVD: 6,679.80 (ft) | Spud Date: 7/21/2006 | OH | 175.00

Closure Distance: 2,698.8 (ft) | Closure Direction: 173.16 (°) | Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	8,146.0	89.87	177.40	YNN	6,710.93	-1,735.44	201.61	1,746.41	0.55	-0.55	MWD
OH	8,178.0	90.04	177.13	YNN	6,710.96	-1,767.41	203.14	1,778.39	1.00	0.53	MWD
OH	8,210.0	91.10	177.31	YNN	6,710.64	-1,799.37	204.69	1,810.36	3.36	3.31	MWD
OH	8,241.0	91.45	177.13	YNN	6,709.95	-1,830.32	206.19	1,841.33	1.27	1.13	MWD
OH	8,273.0	91.54	176.87	YNN	6,709.12	-1,862.27	207.86	1,873.30	0.86	0.28	MWD
OH	8,305.0	91.54	176.43	YNN	6,708.26	-1,894.20	209.73	1,905.27	1.37	0.00	MWD
OH	8,337.0	92.59	176.52	YNN	6,707.10	-1,926.12	211.70	1,937.24	3.29	3.28	MWD
OH	8,368.0	93.21	176.78	YNN	6,705.53	-1,957.03	213.51	1,968.19	2.17	2.00	MWD
OH	8,400.0	93.47	176.78	YNN	6,703.67	-1,988.92	215.30	2,000.12	0.81	0.81	MWD
OH	8,431.0	92.24	176.25	YNN	6,702.13	-2,019.83	217.19	2,031.07	4.32	-3.97	MWD
OH	8,463.0	92.24	176.43	YNN	6,700.87	-2,051.74	219.23	2,063.04	0.56	0.00	MWD
OH	8,495.0	92.42	175.99	YNN	6,699.57	-2,083.64	221.34	2,095.00	1.48	0.56	MWD
OH	8,526.0	92.86	176.25	YNN	6,698.15	-2,114.54	223.44	2,125.96	1.65	1.42	MWD
OH	8,558.0	91.10	175.99	YNN	6,697.04	-2,146.44	225.60	2,157.94	5.56	-5.50	MWD
OH	8,590.0	88.99	175.81	YNN	6,697.02	-2,178.36	227.89	2,189.93	6.62	-6.59	MWD
OH	8,621.0	88.55	174.93	YNN	6,697.68	-2,209.25	230.39	2,220.92	3.17	-1.42	MWD
OH	8,652.0	89.08	175.46	YNN	6,698.32	-2,240.13	232.99	2,251.92	2.42	1.71	MWD
OH	8,684.0	89.60	175.55	YNN	6,698.69	-2,272.03	235.49	2,283.91	1.65	1.63	MWD
OH	8,716.0	89.96	175.37	YNN	6,698.81	-2,303.93	238.03	2,315.91	1.26	1.13	MWD
OH	8,748.0	90.22	0.00	YNN	6,698.00	-2,303.09	258.89	2,316.89	548.02	0.81	MWD
OH	8,780.0	90.84	175.29	YNN	6,693.41	-2,302.23	279.27	2,317.81	547.41	1.94	MWD
OH	8,811.0	90.48	174.93	YNN	6,693.05	-2,333.11	281.91	2,348.81	1.64	-1.16	MWD
OH	8,843.0	91.63	174.32	YNN	6,692.46	-2,364.97	284.91	2,380.80	4.07	3.59	MWD
OH	8,875.0	91.45	173.62	YNN	6,691.60	-2,396.78	288.27	2,412.78	2.26	-0.56	MWD
OH	8,906.0	91.80	173.62	YNN	6,690.72	-2,427.57	291.72	2,443.76	1.13	1.13	MWD
OH	8,939.0	92.51	173.79	YNN	6,689.48	-2,460.35	295.33	2,476.73	2.21	2.15	MWD
OH	8,970.0	92.07	173.79	YNN	6,688.24	-2,491.14	298.68	2,507.70	1.42	-1.42	MWD
OH	9,001.0	91.36	173.35	YNN	6,687.32	-2,521.93	302.15	2,538.67	2.69	-2.29	MWD
OH	9,033.0	93.03	173.35	YNN	6,686.09	-2,553.70	305.85	2,570.63	5.22	5.22	MWD
OH	9,065.0	94.26	173.53	YNN	6,684.06	-2,585.42	309.50	2,602.56	3.88	3.84	MWD
OH	9,097.0	92.33	173.00	YNN	6,682.22	-2,617.15	313.25	2,634.49	6.25	-6.03	MWD
OH	9,128.0	92.24	172.12	YNN	6,680.98	-2,647.86	317.26	2,665.44	2.85	-0.29	MWD
OH	9,160.0	91.98	172.65	YNN	6,679.80	-2,679.56	321.50	2,697.38	1.84	-0.81	MWD

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
UTSL-065342

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
891000556A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
BRENNAN 1

2. Name of Operator
Questar Exploration & Production Company *Contact: Jan Nelson*

9. API Well No.
43-047-15417

3a. Address
11002 East 17500 South, Vernal, UT 84078

3b. Phone No. *(include area code)*
435-781-4331

10. Field and Pool, or Exploratory Area
BRENNAN BOTTOMS

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1980' FSL 660' FEL, SECTION 13, T7S, R21E 20E

11. County or Parish, State
Uintah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other Run Perforated Liner
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Questar Exploration & Production Company requests approval to cleanout the hole and run a pre-perforated 3 1/2" liner to TD.

The work will be performed as follows:

Move in and rig up drilling rig with a 3M BOP System
Run in with a 4 3/4" bit to TD
Run Liner from TD back to the 7" casing window

The rig will use the existing reserve pit and there will be no additional surface disturbance.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
JAN 14 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
Laura Bills	Regulatory Affairs
Signature *Laura Bills*	Date January 11, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

CONFIDENTIAL

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.	UTSL-065342
6. If Indian, Allottee or Tribe Name	N/A
7. If Unit or CA/Agreement, Name and/or No.	891000556A
8. Well Name and No.	BRENNAN 1
9. API Well No.	43-047-15417
10. Field and Pool, or Exploratory Area	BRENNAN BOTTOM
11. County or Parish, State	UINTAH

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other

2. Name of Operator: QUESTAR EXPLORATION & PRODUCTION CO.

3a. Address: 11002 EAST 17500 SOUTH VERNAL, UTAH 84078

3b. Phone No. *(include area code)*: 435-781-4331

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SURFACE LOCATION: 1980' FSL 660' FEL, NESE SECTION 13, T7S, R20E
BOTTOM HOLE LOCATION: 1980' FNL, 314' FEL SENE SECTION 24, T7S, R20E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other RE-ENTER
	[X] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On a routine cleanout of the wellbore it was discoved that the build section of the second open hole lateral to the south had collasped. Instead of trying to clean out the build section and run a liner, Questar proposes to set a CIBP above the existing window, re-drill the south lateral, then run a blank and perforated liner through the new build section and lateral.

This Sundry replaces the Sundry Approved on January 14, 2008.

Please find attached:
1. Re-Entry Procedure
2. Pathfinder Drilling Proposal
3. 8-point Drilling Program
4. Proposed Well Bore Diagram

If additional Technical Information is required, Please contact Steve Hall, Questar Petroleum Engineer, at 303-672-6919.

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*: Jan Nelson	Title: Regulatory Affairs
Signature: Jan Nelson	Date: February 26, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

COPY SENT TO OPERATOR
Date: 2-28-2008
Initials: KS

RECEIVED
FEB 26 2008
DIV OF OIL, GAS & MINING

CONFIDENTIAL

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 02-28-08
By:

Federal Approval of this Action is Necessary

QUESTAR EXPLORATION AND PRODUCTION

Brennan 1
API: 43-047-15417
Summarized Re-Entry Procedure

1. RIH with CIBP and set @ 6,210'.
2. RIH perf 1' @ 6,198'.
3. RIH with Cement Retainer and set @ 6,192'.
4. Stab cement retainer and squeeze 50sks cement.
5. RIH with whipstock, set and orient whipstock on top of CIBP set at 6,192' oriented at 165° ± azimuth. Plus or minus 2-3 ° is acceptable.
6. Shear setting pins and start milling operations, mill window in 7" casing @ 6,170' top, 6,178' bottom and pilot hole. Work mills in and out of window several times.
7. TOOH, PU directional BHA and gyro tool, TIH.
8. Gyro steer the well at a 170° azimuth with 10°/100' build rates to 45 to 60 feet or until the MWD tools have cleared the casing and are providing accurate readings.
9. Pull gryo tool and continue to drill with directional equipment to land in the G1 Lime formation at a TVD of +/- 6,733' TVD, +/- 7,077' MD.
10. Drill +/- 2,123' of lateral in the G1 Lime with a 1.2° apparent up dip angle.
    a. Mud system to be a NaCl weighted water based mud, weights are expected to be in the 8.6 – 9.4 ppg range.
11. Circulate and condition hole, TOOH, LD 3,072' of drill pipe.
    a. PU 2,123' of 4 1/2" flush slotted liner, 949' of blank liner and liner dropping tool.
    b. RIH w/ liner and dropping tool, drop liner at 6,128', 50' inside of window.
    c. TOOH laying down remainder of the drill pipe.
12. RIH and set RBP @ +/- 4,500' to isolate lateral.
13. ND BOP's.
14. RDMOL.

ONSHORE OIL & GAS ORDER NO. 1
QEP UINTA BASIN, INC
Brennan 1 Re-Entry

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **Formation Tops**

The estimated top of important geologic markers are as follows:

Formation	Depth, TVD	Depth, MD
Green River	3,755'	3,755'
Kick Off Point	6,178'	6,178'
Green River (G1 Lime)	6,733'	7,077'
TD	6,689'	9,200'

2. **Anticipated Depths of Oil, Gas, Water, and Other Mineral Bearing Zones**

The estimated depths at which the top an bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered as follows:

Substance	Formation	Depth, TVD	Depth, MD
Oil/Gas	Green River (G1 Lime)	6,733'	7,077' – 9,200'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right A36125 (which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment

A. 3,000 psi double gate, 3,000 psi annular (schematic attached)

B. Function test daily.

C. All casing strings shall be pressure tested (0.22 psi/ft or 1,500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield of the casing.

D. Ram type preventers and associated equipment shall be tested to rated working pressure if isolated by a test plug or to 50% of the internal yield pressure of casing, whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. Casing Program

As this well is a re-entry of an existing well the surface and production casing strings are already in place as detailed below.

Hole Size	Casing Size	Depth, MD	Weight	Grade
17 1/4"	13 3/8"	637'	48.0	H-40
9"	7"	7,591'	23.0	J-55/S-95

The lateral portion of this wellbore will be cased with a slotted liner.

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight	Grade
6 1/8"	4 1/2" flush	6,128'	9,200'	11.6	P-110

Please refer to the attached wellbore diagram and re-entry procedure for further details.

5. Auxilliary Equipment

A. Kelly Cock – Yes

B. Float at the bit – No

C. Monitoring equipment on the mud system – visually and/or PVT or Flow Show

D. Fully opening safety valve on the rig floor – Yes

E. Rotating Head – Yes

If drilling with air the following will be used:

F. The blooie line shall be at least 6" in diameter and extend at least 100' from the wellbore into the reserve/blooie pit.

G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500')

H. Compressor shall be tied directly to the blooie line through a manifold

I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Drilling of the lateral will be done with fresh water KCl based mud systems consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, polymers, and KCl. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used the concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow show will be used upon exit of existing production casing to TD.

Gas detector will be used upon exit of existing production casing to TD.

6. **Testing, Logging, and Coring Program**

A. Cores – None Anticipated

B. DST – None Anticipated

C. Logging:
   i. Mud logging from casing exit to TD
   ii. MWD-GR will be utilized during drilling operations to aid in landing the curve and maintaining the lateral within the desired zone.

D. Formation and completion interval: G1 Lime interval, final determination of completion will be made by analysis of mud logging data. Stimulation: stimulation will be designed for the particular area of interest encountered.

7. Cementing Program

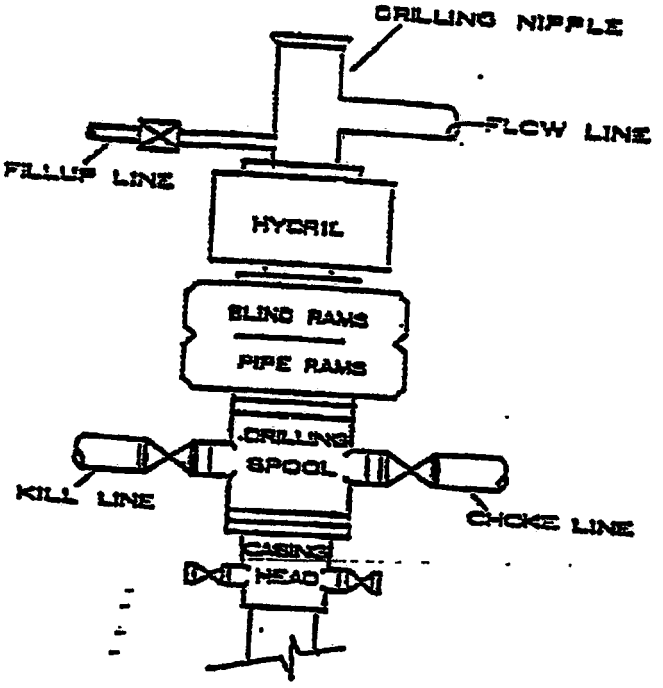
As this is a re-entry well and the newly drilled lateral will be cased off with a slotted liner dropped in the open hole there will be no cement required to drill this well. Please refer to the attached wellbore diagram for existing casing and cement conditions.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H_2S has been encountered or is known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom-hole pressure equals approximately 3,300 psi. Maximum anticipated bottom hole temperature is approximately 160°F.

DRILLING PROGRAM

SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



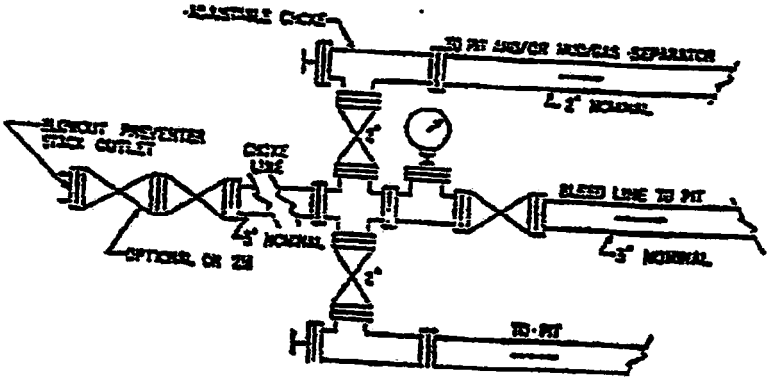
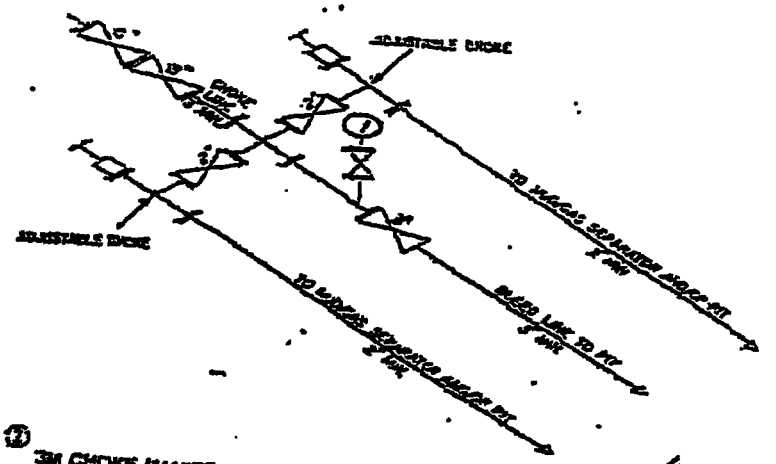


EXHIBIT A CONTINUED



(2) 3M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

QUESTAR

Questar Exploration & Production

Brennan Bottom Unit
Sec.13-T7S-R20E
Brennan Federal #1
Wellbore #3 (South Re-Entry)

Plan: Plan #1

Pathfinder Planning Report

12 February, 2008

PATHFINDER
ENERGY SERVICES

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Brennan Federal #1
Company:	Questar Exploration & Production	**TVD Reference:**	New Well @ 4834.0ft (New Well Elev)
Project:	Brennan Bottom Unit	**MD Reference:**	New Well @ 4834.0ft (New Well Elev)
Site:	Sec.13-T7S-R20E	**North Reference:**	True
Well:	Brennan Federal #1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #3 (South Re-Entry)		
Design:	Plan #1		

Project	Brennan Bottom Unit		
Map System:	Universal Transverse Mercator (US Survey Feet)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD83 Utah - HARN		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Sec.13-T7S-R20E				
Site Position:		**Northing:**	4,451,917.27 m	**Latitude:**	40° 12' 33.552 N
From:	Lat/Long	**Easting:**	618,336.51 m	**Longitude:**	109° 36' 33.984 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	in	**Grid Convergence:**	0.90 °

Well	Brennan Federal #1					
Well Position	+N/-S	0.0 ft	**Northing:**	4,451,917.27 m	**Latitude:**	40° 12' 33.552 N
	+E/-W	0.0 ft	**Easting:**	618,336.51 m	**Longitude:**	109° 36' 33.984 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,820.0 ft

Wellbore	Wellbore #3 (South Re-Entry)				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	2/11/2006	11.57	66.11	52,784

Design	Plan #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	6,103.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.0	0.0	0.0	170.27	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
6,103.0	2.13	165.52	6,101.1	-102.7	29.4	0.00	0.00	0.00	0.00	
6,181.0	2.09	167.25	6,179.1	-105.5	30.1	0.10	-0.05	2.21	123.96	
6,561.7	50.00	174.00	6,598.5	-309.2	52.6	9.97	9.97	1.40	6.97	
7,076.6	91.20	170.00	6,733.4	-668.0	107.7	9.97	9.93	-0.96	-6.06	
7,176.6	91.20	170.00	6,731.3	-786.5	125.0	0.00	0.00	0.00	0.00	
9,200.0	91.20	170.00	6,688.9	-2,778.8	476.3	0.00	0.00	0.00	0.00	

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Brennan Federal #1
Company:	Questar Exploration & Production	**TVD Reference:**	New Well @ 4834.0ft (New Well Elev)
Project:	Brennan Bottom Unit	**MD Reference:**	New Well @ 4834.0ft (New Well Elev)
Site:	Sec.13-T7S-R20E	**North Reference:**	True
Well:	Brennan Federal #1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #3 (South Re-Entry)		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Tie into Gryo survey.									
6,103.0	2.13	165.52	6,101.1	-102.7	29.4	106.2	0.69	0.55	13.14
Interpolated KOP / Start DLS 9.97 TFO 6.97									
6,181.0	2.09	167.25	6,179.1	-105.5	30.1	109.1	0.10	-0.05	2.21
6,200.0	3.98	170.56	6,198.0	-106.5	30.3	110.1	9.97	9.93	17.44
6,250.0	8.96	172.60	6,247.7	-112.1	31.1	115.7	9.97	9.96	4.08
6,300.0	13.94	173.19	6,296.7	-121.9	32.3	125.6	9.97	9.97	1.17
6,350.0	18.93	173.47	6,344.6	-135.9	33.9	139.7	9.97	9.97	0.56
6,400.0	23.91	173.64	6,391.2	-154.1	36.0	157.9	9.97	9.97	0.34
6,450.0	28.89	173.75	6,436.9	-176.2	38.4	180.1	9.97	9.97	0.22
6,500.0	33.88	173.84	6,478.6	-202.1	41.2	206.1	9.97	9.97	0.16
6,550.0	38.86	173.90	6,518.8	-231.5	44.4	235.7	9.97	9.97	0.13
6,600.0	43.85	173.95	6,556.4	-264.4	47.9	268.7	9.97	9.97	0.10
6,650.0	48.83	173.99	6,590.9	-300.3	51.7	304.7	9.97	9.97	0.08
Start DLS 9.97 TFO -6.08									
6,661.7	50.00	174.00	6,598.5	-309.2	52.6	313.6	9.97	9.97	0.08
6,700.0	53.80	173.50	6,622.1	-339.1	55.9	343.7	9.97	9.92	-1.30
6,750.0	58.76	172.92	6,649.9	-380.4	60.8	385.2	9.97	9.92	-1.17
6,800.0	63.72	172.39	6,673.9	-423.9	66.4	429.0	9.97	9.93	-1.05
6,850.0	68.69	171.91	6,694.1	-469.2	72.7	474.7	9.97	9.93	-0.96
6,900.0	73.66	171.46	6,710.2	-516.0	79.5	522.0	9.97	9.93	-0.90
6,950.0	78.62	171.03	6,722.2	-563.9	86.9	570.5	9.97	9.94	-0.86
7,000.0	83.59	170.62	6,729.9	-612.7	94.8	619.9	9.97	9.94	-0.83
7,050.0	88.56	170.21	6,733.3	-661.9	103.1	669.8	9.97	9.94	-0.81
Start 100.0 hold at 7076.6 MD									
7,076.6	91.20	170.00	6,733.4	-688.0	107.7	696.3	9.97	9.94	-0.81
7,100.0	91.20	170.00	6,732.9	-711.1	111.7	719.8	0.00	0.00	0.00
Start 1830.0 hold at 7176.6 MD									
7,176.6	91.20	170.00	6,731.3	-786.5	125.0	796.3	0.00	0.00	0.00
7,200.0	91.20	170.00	6,730.8	-809.6	129.1	819.7	0.00	0.00	0.00
7,300.0	91.20	170.00	6,728.7	-908.0	146.5	919.7	0.00	0.00	0.00
7,400.0	91.20	170.00	6,726.6	-1,006.5	163.8	1,019.7	0.00	0.00	0.00
7,500.0	91.20	170.00	6,724.5	-1,104.9	181.2	1,119.7	0.00	0.00	0.00
7,600.0	91.20	170.00	6,722.4	-1,203.4	198.5	1,219.7	0.00	0.00	0.00
7,700.0	91.20	170.00	6,720.3	-1,301.9	215.9	1,319.6	0.00	0.00	0.00
7,800.0	91.20	170.00	6,718.2	-1,400.3	233.3	1,419.6	0.00	0.00	0.00
7,900.0	91.20	170.00	6,716.1	-1,498.8	250.6	1,519.6	0.00	0.00	0.00
8,000.0	91.20	170.00	6,714.0	-1,597.2	268.0	1,619.6	0.00	0.00	0.00
8,100.0	91.20	170.00	6,711.9	-1,695.7	285.3	1,719.5	0.00	0.00	0.00
8,200.0	91.20	170.00	6,709.8	-1,794.2	302.7	1,819.5	0.00	0.00	0.00
8,300.0	91.20	170.00	6,707.8	-1,892.6	320.1	1,919.5	0.00	0.00	0.00
8,400.0	91.20	170.00	6,705.7	-1,991.1	337.4	2,019.5	0.00	0.00	0.00
8,500.0	91.20	170.00	6,703.6	-2,089.5	354.8	2,119.4	0.00	0.00	0.00
8,600.0	91.20	170.00	6,701.5	-2,188.0	372.1	2,219.4	0.00	0.00	0.00
8,700.0	91.20	170.00	6,699.4	-2,286.5	389.5	2,319.4	0.00	0.00	0.00
8,800.0	91.20	170.00	6,697.3	-2,384.9	406.9	2,419.4	0.00	0.00	0.00
8,900.0	91.20	170.00	6,695.2	-2,483.4	424.2	2,519.4	0.00	0.00	0.00
9,000.0	91.20	170.00	6,693.1	-2,581.8	441.6	2,619.3	0.00	0.00	0.00
9,100.0	91.20	170.00	6,691.0	-2,680.3	459.0	2,719.3	0.00	0.00	0.00
TD at 9200									
9,200.0	91.20	170.00	6,688.9	-2,778.8	476.3	2,819.3	0.00	0.00	0.00

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Brennan Federal #1
Company:	Questar Exploration & Production	**TVD Reference:**	New Well @ 4834.0ft (New Well Elev)
Project:	Brennan Bottom Unit	**MD Reference:**	New Well @ 4834.0ft (New Well Elev)
Site:	Sec.13-T7S-R20E	**North Reference:**	True
Well:	Brennan Federal #1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #3 (South Re-Entry)		
Design:	Plan #1		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
Brennan Fed #1 Re-entr - plan misses by 14.1ft at 7278.5ft MD (6729.1 TVD, -886.9 N, 142.7 E) - Point	0.00	0.00	6,728.3	-884.4	156.6	4,451,648.49	618,388.46	40° 12' 24.810 N	109° 36' 31.965 W

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
6,103.0	6,101.1	-102.7	29.4	Tie into Gryo survey.
6,181.0	6,179.1	-105.5	30.1	Interpolated KOP / Start DLS 9.97 TFO 6.97
6,661.7	6,598.5	-309.2	52.6	Start DLS 9.97 TFO -6.06
7,076.6	6,733.4	-668.0	107.7	Start 100.0 hold at 7076.6 MD
7,176.6	6,731.3	-786.5	125.0	Start 1830.0 hold at 7176.6 MD
9,200.0	6,668.9	-2,778.8	476.3	TD at 9200

QUESTAR

Company: Questar Exploration & Production
Field: Brennan Bottom Unit
Location: Sec.13-T7S-R20E
Well: Brennan Federal #1
Wellbore #3 (South Re-Entry)
Plan: Plan #1 (Brennan Federal #1/Wellbore #3 (South Re-Entry))

PATHFINDER ENERGY SERVICES

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	6103.0	2.13	165.52	6101.1	-102.7	29.4	0.00	0.00	106.2	
2	6181.0	2.09	167.25	6179.1	-105.5	30.1	0.10	123.96	109.1	
3	6661.7	50.00	174.00	6598.5	-309.2	52.6	9.97	6.97	313.6	
4	7076.6	91.20	170.00	6733.4	-688.0	107.7	9.97	-6.06	696.3	
5	7176.6	91.20	170.00	6731.3	-786.5	125.0	0.00	0.00	796.3	
6	9200.0	91.20	170.00	6688.9	-2778.8	476.3	0.00	0.00	2819.3	

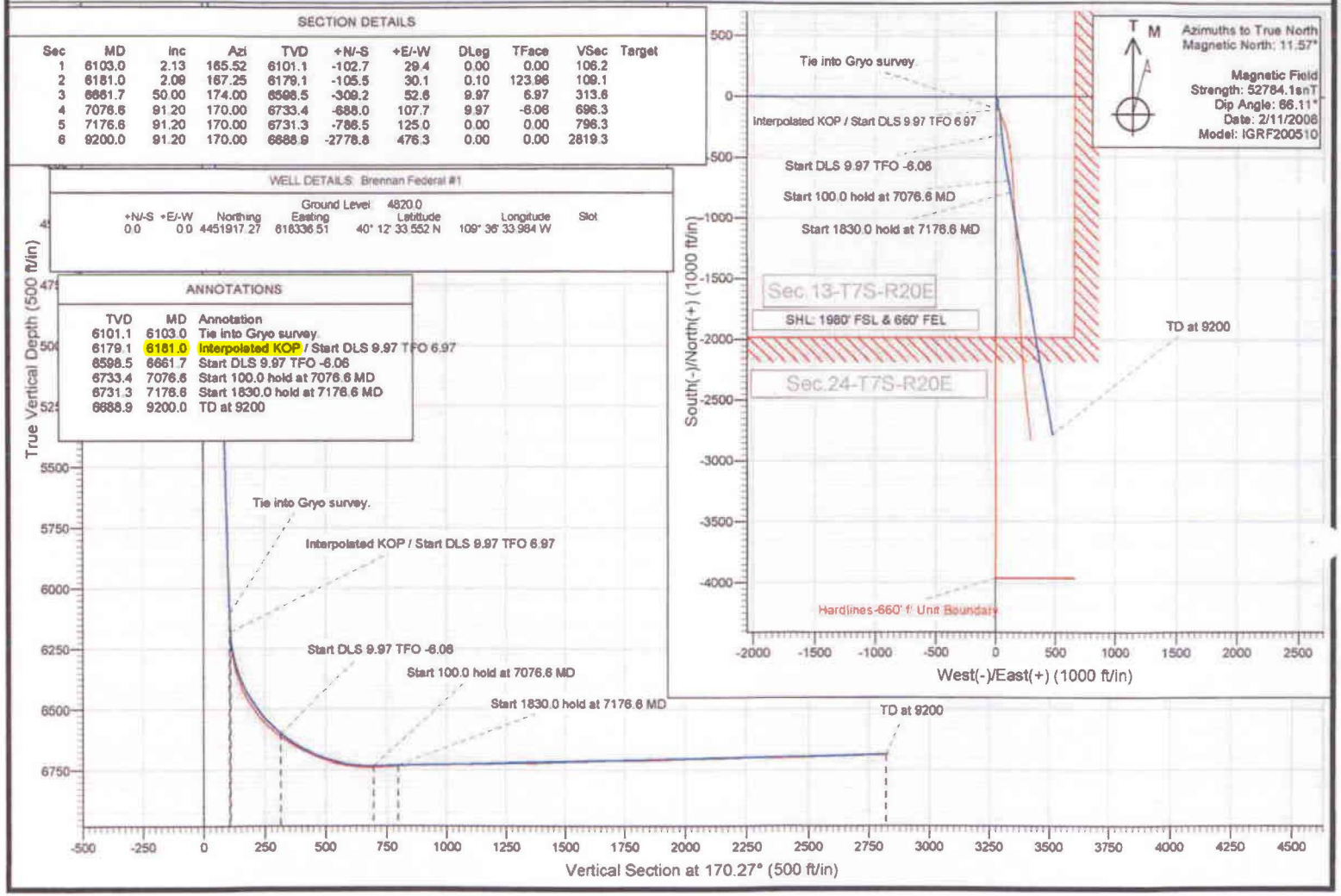
WELL DETAILS: Brennan Federal #1

Ground Level: 4820.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	4451917.27	618336.51	40° 12' 33.552 N	109° 36' 33.984 W	

ANNOTATIONS

TVD	MD	Annotation
6101.1	6103.0	Tie into Gryo survey
6179.1	6181.0	Interpolated KOP / Start DLS 9.97 TFO 6.97
6598.5	6661.7	Start DLS 9.97 TFO -6.06
6733.4	7076.6	Start 100.0 hold at 7076.6 MD
6731.3	7176.6	Start 1830.0 hold at 7176.6 MD
6688.9	9200.0	TD at 9200



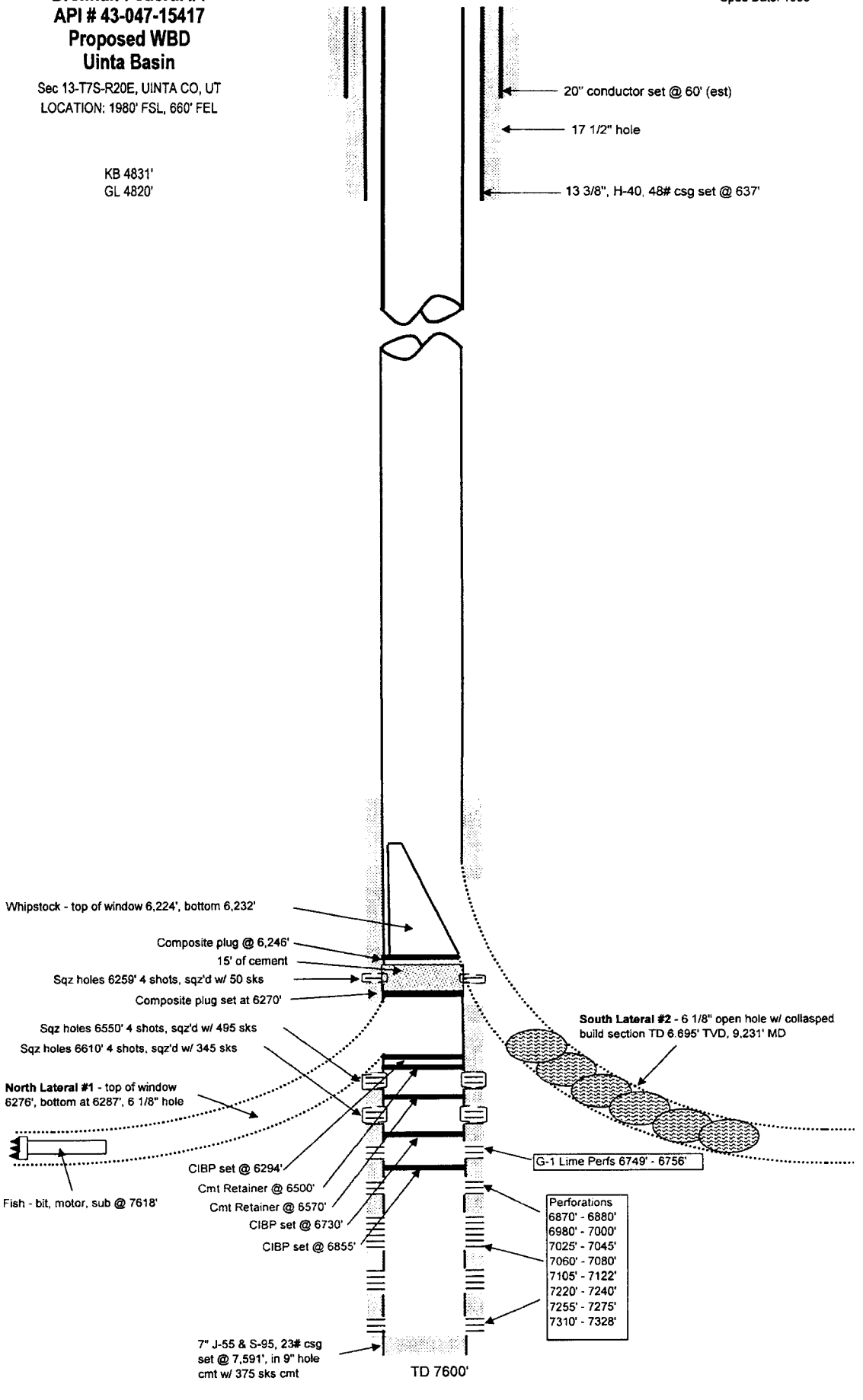
EXISTING

Brennan Federal #1
API # 43-047-15417
Proposed WBD
Uinta Basin

Sec 13-T7S-R20E, UINTA CO, UT
LOCATION: 1980' FSL, 660' FEL

Spud Date: 1953

KB 4831'
GL 4820'



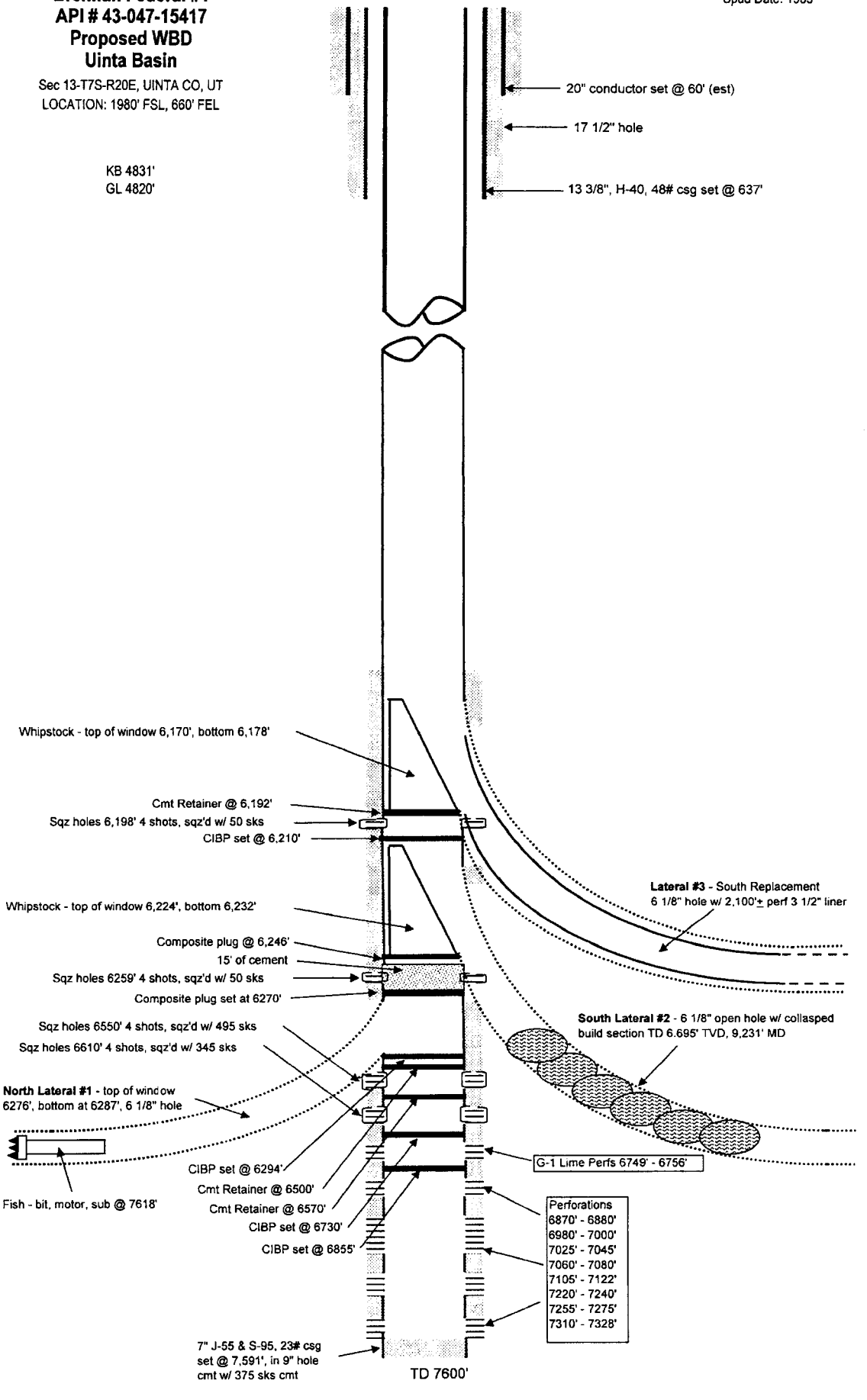
PROPOSED

Brennan Federal #1
API # 43-047-15417
Proposed WBD
Uinta Basin

Sec 13-T7S-R20E, UINTA CO, UT
LOCATION: 1980' FSL, 660' FEL

Spud Date: 1953

KB 4831'
GL 4820'



Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Brennan Federal #1
Company:	Questar Exploration & Production	**TVD Reference:**	New Well @ 4834.0ft (New Well Elev)
Project:	Brennan Bottom Unit	**MD Reference:**	New Well @ 4834.0ft (New Well Elev)
Site:	Sec.13-T7S-R20E	**North Reference:**	True
Well:	Brennan Federal #1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #3 (South Re-Entry)		
Design:	Plan #1		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
Brennan Fed #1 Re-entr - plan misses by 14.1ft at 7278.5ft MD (6729.1 TVD, -886.9 N, 142.7 E) - Point	0.00	0.00	6,728.3	-884.4	156.6	4,451,648.49	618,388.46	40° 12' 24.810 N	109° 36' 31.965 W

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
6,103.0	6,101.1	-102.7	29.4	Tie into Gryo survey.
6,181.0	6,179.1	-105.5	30.1	Interpolated KOP / Start DLS 9.97 TFO 6.97
6,661.7	6,598.5	-309.2	52.6	Start DLS 9.97 TFO -6.06
7,076.6	6,733.4	-688.0	107.7	Start 100.0 hold at 7076.6 MD
7,176.6	6,731.3	-786.5	125.0	Start 1830.0 hold at 7176.6 MD
9,200.0	6,688.9	-2,778.8	476.3	TD at 9200

43-047-15417
13 7S 20E

CONFIDENTIAL

Scientific Drilling

Directional Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

Operator	Questar Exploration & Production
Well Name & No.	Brennan Federal 1 South Lateral Re-Entry
County & State	Uintah County, UT
SDI Job No.	41DEF0805393
Rig	Ensign 57

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 6100 feet to a measured depth of 9257 feet is true and correct as determined from all available records.

Julie Cruse
Signature

29-Jun-08
Date

Julie Cruse
Rockies Region Engineer
Scientific Drilling - Rocky Mountain District

Scientific Drilling
Rocky Mountain Operations

Project: Uintah County, UT NAD27
Site: Brennan Federal 1
Well: Brennan Federal 1
Wellbore: South Lateral Re-Entry
Design: South Lateral Re-Entry

Questar Exploration & Production

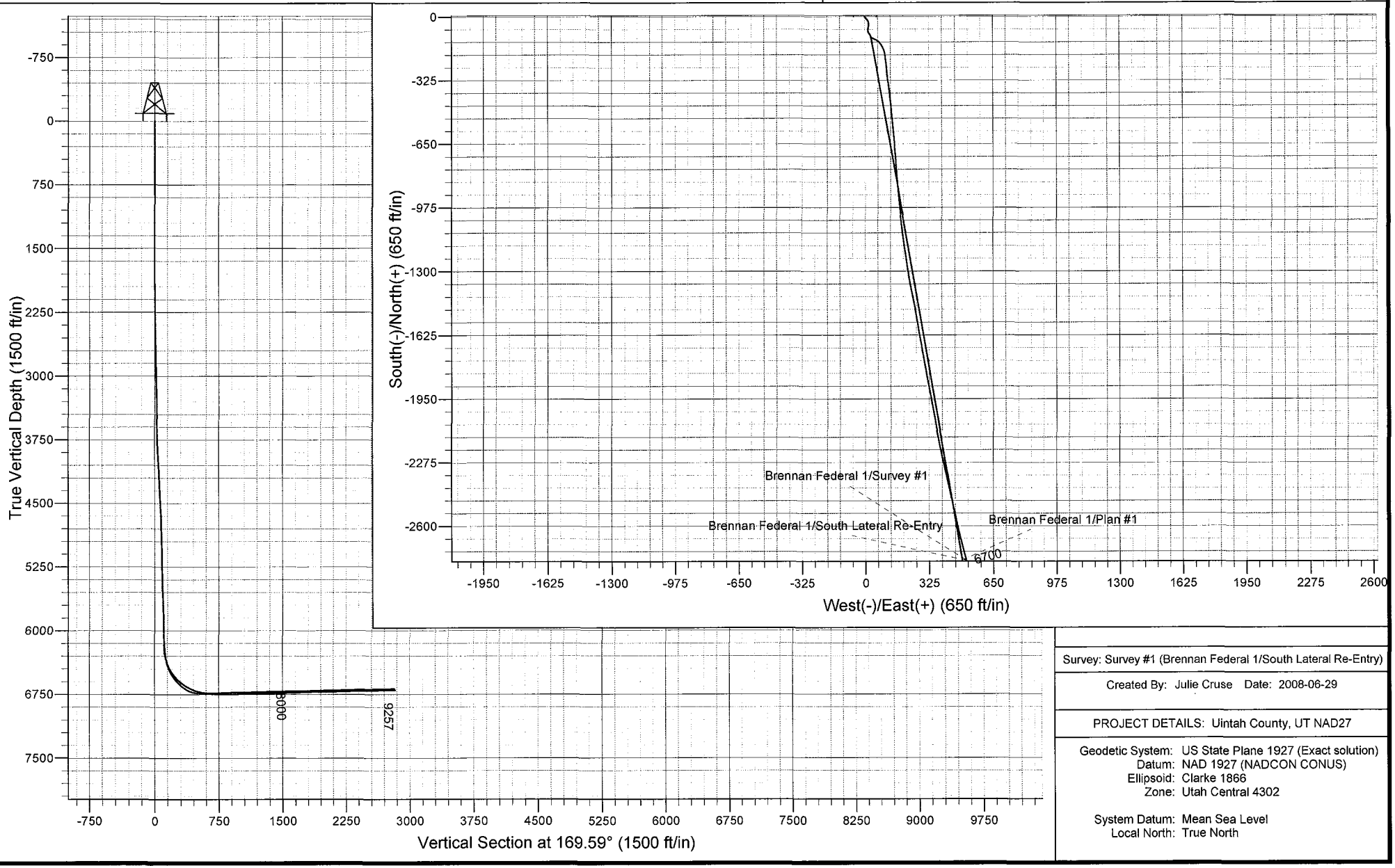
T MAzimuths to True North
Magnetic North: 11.53°

Magnetic Field
Strength: 52756.6snT
Dip Angle: 66.10°
Date: 2008-05-22
Model: IGRF2005-10

WELL DETAILS: Brennan Federal 1

GL 4820' & RKB 16' @ 4836.00ft (Ensign 57) 4820.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	688872.30	2527981.65	40° 12' 33.552 N	109° 36' 33.984 W



Survey: Survey #1 (Brennan Federal 1/South Lateral Re-Entry)

Created By: Julie Cruse Date: 2008-06-29

PROJECT DETAILS: Uintah County, UT NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302

System Datum: Mean Sea Level
Local North: True North

Questar Exploration & Production

Uintah County, UT NAD27
Brennan Federal 1
Brennan Federal 1
South Lateral Re-Entry

Survey: Survey #1

Standard Survey Report

29 June, 2008

Scientific Drilling

Survey Report

Company:	Questar Exploration & Production	**Local Co-ordinate Reference:**	Well Brennan Federal 1
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Site:	Brennan Federal 1	**MD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Well:	Brennan Federal 1	**North Reference:**	True
Wellbore:	South Lateral Re-Entry	**Survey Calculation Method:**	Minimum Curvature
Design:	South Lateral Re-Entry	**Database:**	EDM 2003.16 Multi-User Db

Project	Uintah County, UT NAD27		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Brennan Federal 1, Sec 13 T7S R20E				
Site Position:		**Northing:**	688,872.31 ft	**Latitude:**	40° 12' 33.552 N
From:	Lat/Long	**Easting:**	2,527,981.65 ft	**Longitude:**	109° 36' 33.984 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.21 °

Well	Brennan Federal 1, 1980' FSL 660' FEL					
Well Position	**+N/-S**	0.00 ft	**Northing:**	688,872.30 ft	**Latitude:**	40° 12' 33.552 N
	+E/-W	0.00 ft	**Easting:**	2,527,981.65 ft	**Longitude:**	109° 36' 33.984 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,820.00 ft

Wellbore	South Lateral Re-Entry				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2005-10	2008-05-22	11.53	66.10	52,757

Design	South Lateral Re-Entry				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	6,100.00
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.00	0.00	0.00	169.59	

Survey Program **Date** 2008-06-29

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	6,100.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
6,298.00	9,257.00	Survey #1 (South Lateral Re-Entry)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,100.00	2.13	165.53	6,098.11	-102.66	29.43	106.29	0.00	0.00	0.00
6,298.00	12.34	113.82	6,294.37	-114.80	49.77	121.91	5.63	5.16	-26.12
6,329.00	14.59	116.80	6,324.52	-117.90	56.28	126.13	7.59	7.26	9.61
6,362.00	16.51	124.56	6,356.31	-122.44	63.86	131.96	8.57	5.82	23.52
6,393.00	18.33	133.22	6,385.89	-128.28	71.04	139.00	10.20	5.87	27.94
6,425.00	20.62	141.55	6,416.07	-136.14	78.21	148.03	11.23	7.16	26.03
6,457.00	23.65	148.24	6,445.71	-146.01	85.10	158.98	12.30	9.47	20.91
6,489.00	26.32	154.58	6,474.72	-157.88	91.52	171.82	11.81	8.34	19.81
6,521.00	29.42	161.29	6,503.01	-171.74	97.09	186.46	13.77	9.69	20.97
6,552.00	32.19	168.25	6,529.64	-187.04	101.22	202.25	14.55	8.94	22.45
6,584.00	35.32	172.22	6,556.25	-204.56	104.21	220.02	11.96	9.78	12.41
6,616.00	38.76	174.08	6,581.79	-223.69	106.49	239.25	11.30	10.75	5.81

Scientific Drilling

Survey Report

Company:	Questar Exploration & Production	**Local Co-ordinate Reference:**	Well Brennan Federal 1
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Site:	Brennan Federal 1	**MD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Well:	Brennan Federal 1	**North Reference:**	True
Wellbore:	South Lateral Re-Entry	**Survey Calculation Method:**	Minimum Curvature
Design:	South Lateral Re-Entry	**Database:**	EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,647.00	41.89	174.56	6,605.42	-243.65	108.48	259.24	10.15	10.10	1.55
6,676.00	44.17	175.64	6,626.61	-263.37	110.16	278.94	8.26	7.86	3.72
6,708.00	48.08	176.20	6,648.79	-286.37	111.80	301.86	12.28	12.22	1.75
6,739.00	52.20	172.25	6,668.66	-310.03	114.22	325.57	16.50	13.29	-12.74
6,771.00	56.59	171.15	6,687.28	-335.77	117.98	351.56	14.00	13.72	-3.44
6,803.00	62.60	172.82	6,703.47	-363.09	121.81	379.12	19.31	18.78	5.22
6,835.00	69.06	173.30	6,716.57	-392.05	125.33	408.25	20.23	20.19	1.50
6,868.00	76.95	175.13	6,726.21	-423.42	128.50	439.67	24.49	23.91	5.55
6,899.00	84.08	175.14	6,731.31	-453.87	131.09	470.09	23.00	23.00	0.03
6,931.00	85.16	174.44	6,734.31	-485.60	133.99	501.82	4.02	3.37	-2.19
6,963.00	85.25	174.61	6,736.99	-517.34	137.03	533.59	0.60	0.28	0.53
6,995.00	85.22	174.74	6,739.65	-549.09	139.99	565.35	0.42	-0.09	0.41
7,027.00	86.21	174.44	6,742.04	-580.86	143.00	597.14	3.23	3.09	-0.94
7,059.00	86.57	175.28	6,744.05	-612.67	145.86	628.94	2.85	1.12	2.62
7,090.00	88.29	175.22	6,745.44	-643.53	148.42	659.76	5.55	5.55	-0.19
7,122.00	88.59	176.06	6,746.31	-675.42	150.86	691.56	2.79	0.94	2.62
7,154.00	88.39	176.04	6,747.16	-707.34	153.06	723.35	0.63	-0.62	-0.06
7,186.00	88.19	175.49	6,748.11	-739.23	155.42	755.15	1.83	-0.62	-1.72
7,218.00	88.02	175.87	6,749.17	-771.13	157.83	786.95	1.30	-0.53	1.19
7,250.00	88.59	175.76	6,750.12	-803.03	160.16	818.75	1.81	1.78	-0.34
7,282.00	88.62	175.06	6,750.89	-834.91	162.72	850.58	2.19	0.09	-2.19
7,314.00	91.58	174.90	6,750.84	-866.79	165.52	882.43	9.26	9.25	-0.50
7,345.00	92.31	174.53	6,749.79	-897.64	168.38	913.29	2.64	2.35	-1.19
7,377.00	92.35	174.01	6,748.49	-929.45	171.57	945.15	1.63	0.12	-1.62
7,409.00	94.13	174.22	6,746.68	-961.23	174.85	977.00	5.60	5.56	0.66
7,441.00	94.23	173.80	6,744.34	-992.97	178.18	1,008.82	1.35	0.31	-1.31
7,473.00	92.96	172.84	6,742.34	-1,024.69	181.89	1,040.69	4.97	-3.97	-3.00
7,505.00	91.21	172.98	6,741.17	-1,056.42	185.84	1,072.61	5.49	-5.47	0.44
7,537.00	90.57	173.25	6,740.68	-1,088.19	189.67	1,104.55	2.17	-2.00	0.84
7,569.00	91.95	173.16	6,739.97	-1,119.96	193.46	1,136.48	4.32	4.31	-0.28
7,600.00	90.98	172.02	6,739.18	-1,150.69	197.46	1,167.42	4.83	-3.13	-3.68
7,632.00	89.87	171.15	6,738.94	-1,182.34	202.14	1,199.40	4.41	-3.47	-2.72
7,664.00	91.01	171.12	6,738.70	-1,213.96	207.07	1,231.39	3.56	3.56	-0.09
7,696.00	91.21	171.71	6,738.08	-1,245.59	211.85	1,263.37	1.95	0.62	1.84
7,728.00	92.62	172.10	6,737.01	-1,277.25	216.35	1,295.32	4.57	4.41	1.22
7,759.00	93.09	171.76	6,735.46	-1,307.91	220.70	1,326.26	1.87	1.52	-1.10
7,791.00	90.40	170.28	6,734.49	-1,339.50	225.69	1,358.23	9.59	-8.41	-4.62
7,823.00	90.84	169.25	6,734.14	-1,370.99	231.37	1,390.23	3.50	1.37	-3.22
7,857.00	91.78	168.16	6,733.37	-1,404.32	238.03	1,424.21	4.23	2.76	-3.21
7,887.00	91.11	169.82	6,732.61	-1,433.76	243.76	1,454.20	5.97	-2.23	5.53
7,919.00	92.11	169.29	6,731.71	-1,465.21	249.56	1,486.19	3.54	3.12	-1.66
7,951.00	92.05	170.54	6,730.55	-1,496.70	255.16	1,518.17	3.91	-0.19	3.91
8,038.00	92.45	170.43	6,727.13	-1,582.43	269.53	1,605.09	0.48	0.46	-0.13
8,067.00	91.68	170.18	6,726.09	-1,611.00	274.41	1,634.07	2.79	-2.66	-0.86
8,099.00	91.37	170.02	6,725.24	-1,642.51	279.91	1,666.05	1.09	-0.97	-0.50
8,131.00	91.58	169.61	6,724.41	-1,674.00	285.56	1,698.04	1.44	0.66	-1.28
8,163.00	92.05	170.14	6,723.40	-1,705.48	291.19	1,730.03	2.21	1.47	1.66
8,195.00	92.04	169.81	6,722.26	-1,736.98	296.75	1,762.00	1.03	-0.03	-1.03
8,227.00	91.54	170.30	6,721.26	-1,768.48	302.28	1,793.99	2.19	-1.56	1.53
8,259.00	91.34	170.21	6,720.45	-1,800.01	307.69	1,825.98	0.69	-0.62	-0.28
8,291.00	91.41	169.50	6,719.69	-1,831.50	313.33	1,857.97	2.23	0.22	-2.22
8,323.00	89.50	169.57	6,719.43	-1,862.96	319.14	1,889.96	5.97	-5.97	0.22
8,354.00	88.45	169.41	6,719.99	-1,893.44	324.79	1,920.96	3.43	-3.39	-0.52
8,386.00	88.83	169.41	6,720.75	-1,924.88	330.67	1,952.95	1.19	1.19	0.00

Scientific Drilling

Survey Report

Company:	Questar Exploration & Production	**Local Co-ordinate Reference:**	Well Brennan Federal 1
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Site:	Brennan Federal 1	**MD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Well:	Brennan Federal 1	**North Reference:**	True
Wellbore:	South Lateral Re-Entry	**Survey Calculation Method:**	Minimum Curvature
Design:	South Lateral Re-Entry	**Database:**	EDM 2003.16 *Multi-User Db*

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,418.00	90.00	169.30	6,721.07	-1,956.33	336.58	1,984.95	3.67	3.66	-0.34
8,450.00	90.74	170.07	6,720.87	-1,987.81	342.31	2,016.94	3.34	2.31	2.41
8,482.00	91.75	169.81	6,720.17	-2,019.31	347.90	2,048.94	3.26	3.16	-0.81
8,514.00	92.82	170.25	6,718.89	-2,050.80	353.44	2,080.91	3.62	3.34	1.37
8,546.00	92.21	170.36	6,717.49	-2,082.32	358.82	2,112.88	1.94	-1.91	0.34
8,578.00	90.80	169.32	6,716.65	-2,113.80	364.46	2,144.86	5.47	-4.41	-3.25
8,610.00	91.01	169.69	6,716.14	-2,145.26	370.29	2,176.86	1.33	0.66	1.16
8,643.00	91.68	169.47	6,715.37	-2,177.71	376.26	2,209.85	2.14	2.03	-0.67
8,675.00	92.01	168.23	6,714.34	-2,209.09	382.44	2,241.83	4.01	1.03	-3.87
8,707.00	92.45	167.73	6,713.09	-2,240.36	389.10	2,273.79	2.08	1.37	-1.56
8,739.00	91.71	167.87	6,711.93	-2,271.62	395.86	2,305.76	2.35	-2.31	0.44
8,771.00	91.24	167.12	6,711.11	-2,302.85	402.78	2,337.72	2.77	-1.47	-2.34
8,803.00	90.47	167.53	6,710.63	-2,334.07	409.81	2,369.70	2.73	-2.41	1.28
8,836.00	91.11	168.06	6,710.18	-2,366.32	416.78	2,402.68	2.52	1.94	1.61
8,867.00	91.64	168.49	6,709.43	-2,396.66	423.08	2,433.66	2.20	1.71	1.39
8,899.00	91.85	168.06	6,708.46	-2,427.98	429.58	2,465.63	1.49	0.66	-1.34
8,931.00	92.35	168.59	6,707.29	-2,459.30	436.05	2,497.61	2.28	1.56	1.66
8,963.00	91.14	167.92	6,706.31	-2,490.61	442.56	2,529.58	4.32	-3.78	-2.09
8,995.00	91.41	168.15	6,705.60	-2,521.91	449.19	2,561.56	1.11	0.84	0.72
9,027.00	91.78	167.91	6,704.71	-2,553.20	455.83	2,593.54	1.38	1.16	-0.75
9,059.00	91.98	166.87	6,703.66	-2,584.41	462.81	2,625.50	3.31	0.62	-3.25
9,091.00	92.28	167.27	6,702.47	-2,615.58	469.96	2,657.44	1.56	0.94	1.25
9,155.00	90.67	165.94	6,700.82	-2,677.81	484.79	2,721.33	3.26	-2.52	-2.08
9,187.00	90.54	165.53	6,700.48	-2,708.82	492.67	2,753.26	1.34	-0.41	-1.28
9,257.00	90.54	165.53	6,699.82	-2,776.60	510.16	2,823.08	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Brennan 1 PBHL	0.00	0.00	6,684.00	-2,776.46	489.57	686,106.81	2,528,529.79	40° 12' 6.112 N	109° 36' 27.674 W

- survey misses target center by 25.46ft at 9251.87ft MD (6699.87 TVD, -2771.63 N, 508.88 E)
- Point

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
6,100.00	6,098.11	-102.66	29.43	TIP
6,298.00	6,294.37	-114.80	49.77	First MWD Survey
9,257.00	6,699.82	-2,776.60	510.16	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

43-047-15417
13 7S 20E

QUESTAR

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/28/2008	06:00 - 18:00	12.00	LOC	3	DRLPRO	100% MOVED, 75% RIGGED UP
	18:00 - 06:00	12.00	LOC	4	DRLPRO	RAISE DERRICK @19:30, NIPPLE UP BOP
5/29/2008	06:00 - 10:00	4.00	LOC	4	MIRU	GENERAL RIG UP
	10:00 - 18:00	8.00	BOP	1	MIRU	NIPPLE UP B.O.P AND CHOKE LINES & FLARE LINES
	18:00 - 20:00	2.00	BOP	2	MIRU	TEST CASING AND BLIND RAMS TO 250 LOW AND 1500 PSI HIGH FOR 10 MINUTES
	20:00 - 22:00	2.00	BOP	2	MIRU	TEST INNER AND OUTTER CHOKE VALVES PICK UP THE KELLY THE KELLY AND INSTALL THE KELLY BUSHINGS
	22:00 - 23:30	1.50	BOP	2	MIRU	TEST UPPER AND LOWER KELLY VALVES
	23:30 - 01:00	1.50	BOP	1	MIRU	INSTALL CUP TESTER AND TEST PIPE RAMS TO 250 LOW AND 3000 PSI HIGH TEST ANNULAR TO 250 LOW FOR 5 MINUTES AND 1500 PSI HIGH FOR 10 MINUTES
	01:00 - 06:00	5.00	TRP	2	MIRU	STRAP B.H.A. & DRILL PIPE HOLD 5 MINUTE PREJOB SAFETY MEETING AND RIG UP LAY DOWN MACHINE PICK UP B.H.A.
5/30/2008	06:00 - 11:30	5.50	TRP	1	DRLPRO	PICK UP DRILL PIPE
	11:30 - 12:00	0.50	CSG	1	DRLPRO	RIG DOWN PICK UP MACHINE
	12:00 - 13:00	1.00	OTH		DRLPRO	PICK UP THE KELLY AND TAG BOTTOM @ 6193 FEET
	13:00 - 15:00	2.00	CIRC	1	DRLPRO	CIRC. HOT WATER
	15:00 - 18:30	3.50	TRP	2	DRLPRO	TRIP OUT AND LAYDOWN THE BIT SCRAPER, & THE BIT SUB
	18:30 - 19:30	1.00	TRP	1	DRLPRO	PICK UP THE WHIP STOCK TOOLS
	19:30 - 00:00	4.50	TRP	2	DRLPRO	TRIP IN THE HOLE WITH THE WHIP STOCK TOOLS (SLOW)
	00:00 - 01:30	1.50	SUR	1	DRLPRO	RIG UP THE GYRO TOOLS AND ORINATE THE WHIPSTOCK
	01:30 - 02:30	1.00	DRL	7	DRLPRO	SET THE WHIP STOCK @ 6175 FEET TOOL FACE = 168 DEGREES
	02:30 - 03:00	0.50	DRL	7	DRLPRO	PULL THE GYRO FROM THE WELL AND RIG DOWN THE WIRE LINE PEOPLE WINDOW TOP = 6174 FEET BOTTOM OF THE WINDOW= 6182 FEET
	03:00 - 05:30	2.50	RIG	2	DRLPRO	REPLACE SWIVEL PACKING
	05:30 - 06:00	0.50	DRL	7	DRLPRO	MILL WINDOW
5/31/2008	06:00 - 14:00	8.00	DRL	1	DRLPRO	MILL WINDOW WITH KNIGHT EXCALIBUR WHIPSTOCK ONE RUN BI-MILL, TOP WINDOW @6175' BOTTOM @ 6182.5'
	14:00 - 15:30	1.50	REAM	1	DRLPRO	CIRCULATE HIGH VISC 40BBL 70VISC SWEEP, WHILE REAMING WINDOW
	15:30 - 18:30	3.00	TRP	2	DRLPRO	TOOH FOR DIRECTIONAL BHA
	18:30 - 19:00	0.50	TRP	1	DRLPRO	LD KNIGHT BI-MILL 3.5' NOSE TO TOP OF MELON MILL, PILOT CALIPER @5.75", MELON MILL 6.0625"
	19:00 - 20:00	1.00	SEQ	1	DRLPRO	PICK UP KELLY AND CHANGE OUT GOOSENECK TO ONE WITH WIRELINE ENTRY 2"
	20:00 - 22:00	2.00	TRP	1	DRLPRO	PICK UP DIRECTIONAL BHA #1, SCRIBE DIRECTIONAL TOOLS, MM 1.83* / .52REV/GAL / 3.8 / 7:8
	22:00 - 03:00	5.00	TRP	2	DRLPRO	TIH FILLING EVERY 20 STANDS
	03:00 - 04:00	1.00	LOG	4	DRLPRO	STAND BACK KELLY, SAFETY MEETING AND RU CASEDHOLE SOLUTIONS WIRELINE AND SCIENTIFIC GYRO TOOLS
	04:00 - 05:30	1.50	LOG	4	DRLPRO	ORIENT DOWNHOLE TOOL FACE WITH GYRO TOOLS FOR SLIDE OUT OF WINDOW
	05:30 - 06:00	0.50	DRL	3	DRLPRO	PU KELLY TO SLIDE OUT OF WINDOW, F/6187 T/6193
6/1/2008	06:00 - 08:00	2.00	DRL	2	DRLPRO	SLIDE F/ 6193 T/ 6207 (14' / 1.5HRS) ROTATE F/6207 T/6212 (5' / .5HR) GPM 196, SPP 1210, ROP 10, WOB 4-8, DHRPM 102
	08:00 - 09:30	1.50	LOG	4	DRLPRO	GO IN HOLE WITH WIRELINE AND RUN GYRO SURVEY @6092' INC2.1, AZ 167.9
	09:30 - 11:30	2.00	DRL	2	DRLPRO	SLIDE F/ 6212 T/6232 (20' / 1.5HRS) ROTATE F/6232 T/6244 (12' / .5HR) GPM 196, SPP 1210, ROP 10, WOB 4-10, DHRPM 102
	11:30 - 12:30	1.00	LOG	4	DRLPRO	GO IN HOLE WITH WIRELINE AND RUN GYRO SURVEY @6124'

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/1/2008	11:30 - 12:30	1.00	LOG	4	DRLPRO	INC 2.2, AZ 160
	12:30 - 14:30	2.00	DRL	2	DRLPRO	SLIDE F/ 6244 T/6271 (27' / 1.5HRS) ROTATE F/6271 T/6276 (5' / .5HR) GPM 196, SPP 1250, ROP 10, WOB 4-12, DHRPM 102
	14:30 - 15:00	0.50	RIG	1	DRLPRO	LUBRICATE RIG/CROWN
	15:00 - 16:30	1.50	LOG	4	DRLPRO	GO IN HOLE WITH WIRELINE AND RUN GYRO SURVEY @6164' INC 2.3, AZ 164
	16:30 - 18:30	2.00	DRL	2	DRLPRO	SLIDE F/ 6276 T/6303 (27' / 1.5HRS) ROTATE F/6303 T/6308 (5' / .5HR) GPM 196, SPP 1250, ROP 10, WOB 4-15, DHRPM 102
	18:30 - 20:00	1.50	LOG	4	DRLPRO	GO IN HOLE WITH WIRELINE AND RUN GYRO SURVEY @6196' INC 4.6, AZ 119, RD WIRELINE AND SURVEY TOOL, MWD IS PROVIDING ACCURATE INCLINATION AND TOOL FACE, WE STILL HAVE SOME INTERFERENCE WITH THE AZIMUTH
	20:00 - 05:00	9.00	DRL	2	DRLPRO	SLIDE F/6308 T/6336 (28' / 2HRS) ROTATE F/6336 T/6340 (4' / .5HR) SLIDE F/6340 T/6366 (26' / 2HRS) ROTATE F/6366 T/6371 (5' / .5HR) SLIDE F/6371 T/6400 (29' / 3.5HRS) ROTATE F/6400 T/6403 (3' / .5HR) GPM 196, SPP 1175, ROP 10, WOB 4-20, DHRPM 102
	05:00 - 06:00	1.00	DRL	2	DRLPRO	ATTEMPT TO GET CLEAR SURVEYS WITH MWD, WE STILL HAVE INTERFERENCE. AZ READING IS UNRELIABLE, GR-TOOL FACE AND INCL SEEM TO BE WORKING. WE WILL SLIDE DRILL WITH 40-60* TOOL FACE AND CALL FOR WIRELINE TRUCK TO VERIFY READINGS ~9AM
6/2/2008	06:00 - 11:00	5.00	DRL	2	DRLPRO	SLIDE F/6403 T/6478 (75 ' / 5HRS) GPM 196, SPP 1175, ROP 15, WOB 4-20, DHRPM 102
	11:00 - 12:00	1.00	LOG	4	DRLPRO	GO IN HOLE WITH WIRELINE AND RUN GYRO SURVEY @6330' INC 13.96, AZ 116.7, MWD @6330' INC 14.59, AZ 116.8, CONFIRMED GOOD! RD RELEASE WIRELINE AND GYRO TO RUN SAME ON NEXT WELL FOR INTERFERENCE PROFILE.
	12:00 - 00:00	12.00	DRL	2	DRLPRO	SLIDE F/6478 T/6654 (176' / 12 HRS) GPM 196, SPP 1175, ROP 14.6, WOB 4-30, DHRPM 102
	00:00 - 01:30	1.50	DRL	2	DRLPRO	ROTATE DRILL FROM 6654 FEET TO 6657 FEET, 3 FEET/1.5HRS, ROP 2 FEET PER HOUR
	01:30 - 04:00	2.50	DRL	2	DRLPRO	SLIDE DRILL FROM 6657 FEET TO 6688 FEET GPM 196, SPP 1175, ROP 15, WOB 4-20, DHRPM 102
	04:00 - 06:00	2.00	TRP	12	DRLPRO	TRIP OUT OF THE HOLE FOR A 2.38DEG MUD MOTOR
6/3/2008	06:00 - 08:30	2.50	TRP	12	DRLPRO	TRIP OUT FOR MM INSPECTION AND BIT
	08:30 - 10:30	2.00	TRP	12	DRLPRO	REMOVE M.W.D. TOOLS CHANGE BIT ORINATE M.W.D. TOOLS
	10:30 - 13:30	3.00	TRP	2	DRLPRO	TRIP IN THE HOLE FILL THE PIPE EVERY 30 STANDS
	13:30 - 14:00	0.50	REAM	1	DRLPRO	PICK UP THE KELLY AND WASH AND REAM 42 FEET TO BOTTOM
	14:00 - 15:30	1.50	DRL	2	DRLPRO	SLIDE DRILL FROM 6688 FEET TO 6717 FEET (29FT)
	15:30 - 16:00	0.50	RIG	1	DRLPRO	RIG SERVICE GREASE THE CROWN AND THE SWIVEL
	16:00 - 22:00	6.00	DRL	2	DRLPRO	SLIDE DRILL FROM 6717 FEET TO 6812 FEET (95FT)
	22:00 - 22:30	0.50	CIRC	1	DRLPRO	CIRC AND COND FOR TRIP OUT OF THE HOLE
	22:30 - 04:00	5.50	TRP	12	DRLPRO	TRIP OUT TO CHANGE MOTOR BEND FROM 2.6 TO A 3.0 WE COULD NOT GET THE BUILD RATE WITH A 2.6 DEGREE BEND SET MOTOR AT 3.0 DEGREE BEND REORIENT M.W.D. TOOLS
	04:00 - 06:00	2.00	TRP	2	DRLPRO	TRIP IN THE HOLE FILL THE PIPE EVERY 30 STANDS
6/4/2008	06:00 - 08:00	2.00	TRP	2	DRLPRO	CHECK CROWN M-O- MATIC AND TRIP IN THE HOLE
	08:00 - 15:00	7.00	DRL	2	DRLPRO	SLIDE DRILL FROM 6812 FEET TO 6898 FEET (86 FEET)
	15:00 - 15:30	0.50	RIG	1	DRLPRO	RIG SERVICE
	15:30 - 20:00	4.50	TRP	2	DRLPRO	TRIP FOR NEW MUD MOTOR AND DRILLING ASSEMBLY B.H.A. # 6
	20:00 - 23:00	3.00	TRP	1	DRLPRO	LAY DOWN BIT AND MUD MOTOR AND PICK UP NEW MUD MOTOR AND PUT A 1.5 DEGREE BEND IN MOTOR

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/4/2008	23:00 - 00:00	1.00	OTH		DRLPRO	ORIENT MWD AND SURVEY TOOLS
	00:00 - 04:30	4.50	TRP	2	DRLPRO	TRIP IN THE HOLE PUT ANOTHER 25 JOINTS ON TOP OF 25 JOINTS FOR A TOTAL OF 50 JOINTS FOR PUSH PIPE THRIP IN THE HWDP AND DRILL PIPE TO THE WINDOW (FILL THE PIPE EVERY 25 STANDS)
	04:30 - 06:00	1.50	RIG	6	DRLPRO	CUT THE DRILLING LINE
6/5/2008	06:00 - 07:00	1.00	TRP	14	DRLPRO	SHORT TRIP OUT 7 JTS AND BACK IN 7 JTS.
	07:00 - 14:30	7.50	REAM	1	DRLPRO	WASH AND REAM 6 JTS 3 TIMES EACH.
	14:30 - 15:00	0.50	RIG	1	DRLPRO	SERVICE AND LUBRICATE RIG
	15:00 - 19:00	4.00	REAM	1	DRLPRO	WASH AND REAM 2 JTS 3 TIMES EACH TO 6,898'.
	19:00 - 20:30	1.50	DRL	2	DRLPRO	SLIDE F/6,898' T/6,909 (11') AROP 7.3 FPH, WOB 20/35K, PP 1,050, SPM #1 90, 199 GPM, SWAGGING TOOL FACE BACK AND FORTH 180 DEGREES TO HELP REDUCE DOG LEG.
	20:30 - 21:00	0.50	DRL	3	DRLPRO	ORIENT MWD TOOLS.
	21:00 - 01:30	4.50	DRL	2	DRLPRO	SLIDE F/6,909' T/6,940 (31') AROP 6.8 FPH, WOB 20/35K, PP 1,050, SPM #1 90, 199 GPM, SWAGGING TOOL FACE BACK AND FORTH 180 DEGREES.
	01:30 - 03:30	2.00	LOG	1	DRLPRO	RE-LOG GAMA W/ MWD TOOL FROM 6870' TO 6940' (70'). SURVEY 6,899' INC 84.08, AZM 6,731.45.
	03:30 - 06:00	2.50	DRL	2	DRLPRO	ROTATE F/ 6,940' T/ 6,975' (35') AROP 14 FPH, WOB 5.5 K, PP 1,185, SPM #1 91, 200 GPM, ROTORY 25/30 RPM. MOTOR RPM 104, BIT RPM 129.
6/6/2008	06:00 - 10:00	4.00	DRL	2	DRLPRO	ROTATE F/ 6,975' T/ 7,004' (29') AROP 7.25 FPH, WOB 6K, PP 1200, PUMP #1 90 SPM, 196 GPM, MOTOR 102 RPM, ROTORY 20 RPM, BIT 122 RPM. SURVEY @ 6,963, 85.25 INC, 174.61 AZM, TVD 6737', PROJECTED TO BIT @ 7,004, 85.37 INC, 174.83 AZM, TVD 6740.38'.
	10:00 - 10:30	0.50	DRL	2	DRLPRO	SLIDE F/7,004 T/7,014 (10') WOB 12K, PP 1200, PUMP #1 90 SPM, 196 GPM, MOTOR 102 RPM
	10:30 - 11:30	1.00	DRL	2	DRLPRO	ROTATE F/ 7,014' T/ 7,036' (22') AROP 22 FPH, WOB 6K, PP 1200, PUMP #1 90 SPM, 196 GPM, MOTOR 102 RPM, ROTORY 20 RPM, BIT 122 RPM. SURVEY @ 6,995', 85.22 INC, 174.74 AZM, TVD 6739'.
	11:30 - 12:00	0.50	RIG	1	DRLPRO	SERVICE AND LUBRICATE RIG
	12:00 - 12:30	0.50	DRL	3	DRLPRO	RECALIBRATE TOOL DEPTH.
	12:30 - 14:00	1.50	DRL	2	DRLPRO	ROTATE F/ 7,036' T/ 7,068' (32') AROP 21 FPH, WOB 6/8K, PP 1200, PUMP #1 90 SPM, 196 GPM, MOTOR 102 RPM, ROTORY 20 RPM, BIT 122 RPM. SURVEY @ 7,027', 86.21 INC, 174.44 AZM, TVD 6742'.
	14:00 - 15:30	1.50	DRL	2	DRLPRO	SLIDE F/7,068 T/7,083' (15') AROP 10 FPH, WOB 12K, PP 1200, PUMP #1 90 SPM, 196 GPM, MOTOR 102 RPM
	15:30 - 22:00	6.50	DRL	2	DRLPRO	ROTATE F/ 7,083' T/ 7,195' (102') AROP 14.5 FPH, WOB 6/8K, PP 1200, PUMP #1 85 SPM, 185 GPM, MOTOR 96 RPM, ROTORY 20 RPM, BIT 116 RPM. NOTE: 7,118' GOING THROUGH TOP OF G-1 LIMESTONE STARTED TO LOSE DRILL MUD AT 35 BPH, INCREASED LOSSES UP TO 65 BPH, PUMPED 20 BBL CARBONATE LCM SWEEP. MIXED 350 BBLS OF MUD. SURVEY @ 7,059', 87.99 INC, 176.36 AZM, TVD 6746'. SURVEY @ 7,090', 88.29 INC, 175.22 AZM, TVD 6745'. SURVEY @ 7,122', 88.59 INC, 176.06 AZM, TVD 6745'.
	22:00 - 23:30	1.50	DRL	2	DRLPRO	SLIDE F/7,195' T/7,201' (6') AROP 10 FPH, WOB 12K, PP 1200, PUMP #1 90 SPM, 196 GPM, MOTOR 102 RPM, SURVEY @ 7,154', 88.39 INC, 176.04 AZM, TVD 6748'.
	23:30 - 02:00	2.50	DRL	2	DRLPRO	ROTATE F/ 7,201' T/ 7,242' (41') AROP 16.4 FPH, WOB 6/8K, PP 1200, PUMP #1 90 SPM, 196 GPM, MOTOR 102 RPM, ROTORY 20 RPM, BIT 122 RPM. PUMPED 20 BBL CARBONATE LCM SWEEP.

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/6/2008	23:30 - 02:00	2.50	DRL	2	DRLPRO	TURNED BACK PUMP TO 85 SPM DROPPING LOSES BACK TO 45 BPH. TRANSFERED 200 BBLS OF MUD FROM PREMIX TANK TO ACTIVE SYSTEM, SURVEY @ 7,186', 88.19 INC, 175.49 AZM, TVD 6748'
	02:00 - 02:30	0.50	CIRC	1	DRLPRO	CONDITION MUD AND MIX 250 BBLS OF MUD IN PREMIX TANK.
	02:30 - 04:30	2.00	DRL	2	DRLPRO	SLIDE F/7,242' T/7,252' (10') AROP 5 FPH, WOB 25K, PP 1200, PUMP #1 90 SPM, 196 GPM, MOTOR 102 RPM
	04:30 - 06:00	1.50	DRL	2	DRLPRO	ROTATE F/ 7,252' T/ 7,291' (39') AROP 26 FPH, WOB 6/8K, PP 1200, PUMP #1 90 SPM, 196 GPM, MOTOR 102 RPM, ROTORY 20 RPM, BIT 122 RPM.
6/7/2008	06:00 - 10:30	4.50	DRL	2	DRLPRO	SLIDE F/ 7,291' T/ 7,323' (32') AROP 7.1 FPH, WOB 26K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. TAKE SURVEY
	10:30 - 15:00	4.50	DRL	2	DRLPRO	ROTATE F/7,323' T/ 7,386' (63') AROP 14 FPH, WOB 10K, PP 1145, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 20 RPM, BIT 123 RPM. TAKE SURVEY
	15:00 - 15:30	0.50	RIG	1	DRLPRO	SERVICE & LUBRICATE RIG
	15:30 - 17:00	1.50	DRL	2	DRLPRO	SLIDE F/ 7,386' T/ 7,401' (15') AROP 10 FPH, WOB 28K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. TAKE SURVEY
	17:00 - 21:00	4.00	DRL	2	DRLPRO	ROTATE F/7,401' T/ 7,467' (66') AROP 16.5 FPH, WOB 10K, PP 1145, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 20 RPM, BIT 123 RPM. TAKE SURVEY
	21:00 - 00:00	3.00	DRL	2	DRLPRO	SLIDE F/ 7,467' T/ 7,482' (15') AROP 5 FPH, WOB 28K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. TAKE SURVEY
	00:00 - 01:00	1.00	TRP	14	DRLPRO	SHORT TRIP OUT 6 STANDS. HOLE CONDITION LOOKS GOOD.
	01:00 - 03:30	2.50	DRL	2	DRLPRO	ROTATE F/7,482' T/ 7,528' (46') AROP 18.4 FPH, WOB 12K, PP 1145, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 20 RPM, BIT 123 RPM. TAKE SURVEY
	03:30 - 04:00	0.50	DRL	3	DRLPRO	RESYNC MWD TOOL / SURVEY CHECK SHOT
	04:00 - 05:00	1.00	DRL	2	DRLPRO	ROTATE F/7,528' T/ 7,561' (40') AROP 40 FPH, WOB 12K, PP 1145, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 20 RPM, BIT 123 RPM. TAKE SURVEY
	05:00 - 06:00	1.00	DRL	2	DRLPRO	SLIDE F/ 7,561' T/ 7,568' (7') AROP 7 FPH, WOB 28K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. TAKE SURVEY
6/8/2008	06:00 - 11:30	5.50	DRL	2	DRLPRO	ROTATE F/7,568' T/ 7,641' (73') AROP 13.2 FPH, WOB 12K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 20 RPM, BIT 123 RPM. TAKE SURVEY
	11:30 - 16:00	4.50	DRL	2	DRLPRO	SLIDE F/ 7,641' T/ 7,666' (25') AROP 5.5 FPH, WOB 35K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. TAKE SURVEY
	16:00 - 16:30	0.50	RIG	1	DRLPRO	SERVICE & LUBRICATE RIG.
	16:30 - 18:00	1.50	DRL	2	DRLPRO	ROTATE F/7,666' T/ 7,715' (49') AROP 32.6 FPH, WOB 12K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 20 RPM, BIT 123 RPM. TAKE SURVEY
	18:00 - 21:00	3.00	DRL	2	DRLPRO	SLIDE F/ 7,715' T/ 7,737' (22') AROP 5.6 FPH, WOB 35K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. CHECK SHOT, MWD SYNC TOOL.
	21:00 - 01:00	4.00	DRL	2	DRLPRO	ROTATE F/7,737' T/ 7,832' (95') AROP 23.75 FPH, WOB 10K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. TAKE SURVEYS
	01:00 - 02:00	1.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP, FILL TRIP TANK.
	02:00 - 06:00	4.00	TRP	2	DRLPRO	TOOH TO RAISE HWDP LOCATION AND CHANGE MOTOR AND BIT. DIRECTIONAL BHA NOT BUILDING ANGLE, LOST 2.69* WITH 22' SLIDE UP!
6/9/2008	06:00 - 09:00	3.00	DRL	2	DRLPRO	TOOH TO RAISE HWDP AND CHANGE MOTOR & BIT.

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/9/2008	09:00 - 09:30	0.50	RIG	1	DRLPRO	SERVICE AND LUBRICATE RIG.
	09:30 - 12:30	3.00	WOT	4	DRLPRO	SET DRUM BREAK, CLEAN OUT TRIP TANK AND FLOW LINE. WAIT ON MUD MOTOR FROM CASPER.
	12:30 - 13:00	0.50	TRP	1	DRLPRO	PU BHA AND ORIENTATE MWD TOOLS.
	13:00 - 18:00	5.00	TRP	2	DRLPRO	TIH W/ DIRECTIONAL BHA.
	18:00 - 18:30	0.50	REAM	1	DRLPRO	WASH AND REAM LAST 90' TO TD. HOLE IN GOOD CONDITION.
	18:30 - 22:00	3.50	DRL	2	DRLPRO	SLIDE F/ 7,832' T/ 7,842' (10') AROP 3.5 FPH, WOB 35/50K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. CHECK SHOT, FAN ROTORY TABLE TO HELP SLIDE.
	22:00 - 23:00	1.00	DRL	2	DRLPRO	ROTATE F/7,842' T/ 7,852' (10') AROP 10 FPH, WOB 10K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. TAKE SURVEY
	23:00 - 01:30	2.50	DRL	2	DRLPRO	SLIDE F/ 7,852' T/ 7,863' (11') AROP 4.4 FPH, WOB 35/50K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. CHECK SHOT, FAN ROTORY TABLE TO HELP SLIDE.
	01:30 - 04:00	2.50	DRL	2	DRLPRO	ROTATE F/7,863' T/ 7,912' (49') AROP 19.6 FPH, WOB 10K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. TAKE CHECK SHOTS & SURVEY
	04:00 - 05:30	1.50	DRL	2	DRLPRO	SLIDE F/ 7,912' T/ 7,916' (4') AROP 4.4 FPH, WOB 35/50K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. CHECK SHOT, FAN ROTORY TABLE TO HELP SLIDE.
	05:30 - 06:00	0.50	DRL	2	DRLPRO	ROTATE F/7,916' T/ 7,920' (4') AROP 8 FPH, WOB 10K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. TAKE CHECK SHOTS & SURVEY
6/10/2008	06:00 - 08:00	2.00	DRL	2	DRLPRO	SLIDE F/ 7,919' T/ 7,920' (1') AROP .5 FPH, WOB 35/50K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. FAN ROTORY TABLE TO HELP SLIDE. UNABLE TO MAKE FOOTAGE.
	08:00 - 14:00	6.00	TRP	10	DRLPRO	TOOH TO CHANGE BIT. L/D PDC AND PU TRI-CONE. TEST C.O.M.
	14:00 - 14:30	0.50	RIG	1	DRLPRO	SERVICE AND LUBRICATE RIG.. FUNCTION TEST BOPE
	14:30 - 18:30	4.00	TRP	10	DRLPRO	TIH W/ 6 1/8" TRI-CONE
	18:30 - 19:00	0.50	REAM	1	DRLPRO	WASH AND REAM LAST 90' TO BOTTOM, HOLE CONDITION GOOD WITH NO FILL.
	19:00 - 20:00	1.00	DRL	2	DRLPRO	SLIDE F/ 7,920' T/ 7,922' (2') AROP 2 FPH, WOB 40/50K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. FAN ROTORY TABLE TO HELP SLIDE.
	20:00 - 20:30	0.50	DRL	2	DRLPRO	ROTATE F/7,922' T/ 7,925' (3') AROP 6 FPH, WOB 10K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. ROTATE TO SEAT BIT.
	20:30 - 22:30	2.00	DRL	2	DRLPRO	SLIDE F/ 7,925' T/ 7,927' (2') AROP 2 FPH, WOB 40/50K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM.
	22:30 - 23:30	1.00	DRL	2	DRLPRO	ROTATE F/7,927' T/ 7,934' (7') AROP 7 FPH, WOB 10K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. PUMP 45 BBL POLYMER BEAD SWEEP TO HELP LOOSEN HOLE.
	23:30 - 04:00	4.50	DRL	2	DRLPRO	SLIDE F/ 7,934' T/ 7,943' (9') AROP 2 FPH, WOB 40/50K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM. FAN ROTORY TABLE TO HELP SLIDE.
	04:00 - 06:00	2.00	DRL	2	DRLPRO	ROTATE F/7,943' T/ 7,959' (16) AROP 8 FPH, WOB 10K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. PUMP 45 BBL POLYMER BEAD SWEEP TO HELP LOOSEN HOLE.
6/11/2008	06:00 - 08:30	2.50	DRL	2	DRLPRO	ROTATE F/7,959' T/ 7,974' (15') AROP 6 FPH, WOB 15K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/11/2008	06:00 - 08:30	2.50	DRL	2	DRLPRO	RPM. TAKE SURVEY
	08:30 - 11:30	3.00	DRL	2	DRLPRO	SLIDE F/ 7,974' T/ 7,980' (6') AROP 2 FPH, WOB 50/60K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM, GAMA 49 CPS. TAKE SURVEY
	11:30 - 12:30	1.00	CIRC	1	DRLPRO	CIRCULATE AND ROTATE WHILE PUMPING 45 BBLS LUBRICANT / 12 PPB POLYMER BEEDS / 6% LUBRICANT.
	12:30 - 17:00	4.50	DRL	2	DRLPRO	SLIDE F/ 7,980' T/ 7,991' (11') AROP 2.4 FPH, WOB 50/60K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM, GAMA 47 CPS. TAKE SURVEY
	17:00 - 17:30	0.50	RIG	1	DRLPRO	LUBRICATE AND SURVICE RIG / GREASE BLOCKS, FUNCITON HYDRIL.
	17:30 - 22:00	4.50	DRL	2	DRLPRO	SLIDE F/ 7,991' T/ 8,014' (23') AROP 5.1 FPH, WOB 50/60K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM, GAMA 26.5 CPS. TAKE SURVEY
	22:00 - 01:00	3.00	DRL	2	DRLPRO	ROTATE F/8,014' T/ 8,038' (24') AROP 6 FPH, WOB 15K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. SURVEY CHECK SHOT.
	01:00 - 01:30	0.50	DRL	2	DRLPRO	SLIDE F/ 8,038' T/ 8,043' (5') AROP 10 FPH, WOB 50/60K, PP 1169, SPM 91, 198 GPM, MOTOR 103 RPM, GAMA 24 CPS.
	01:30 - 04:00	2.50	DRL	2	DRLPRO	ROTATE F/8,043' T/ 8,055' (12') AROP 4.8 FPH, WOB 15K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. GAMA 40.7 CPS. TAKE SURVEY. DRILLING ALONG TOP OF ZONE CAP.
	04:00 - 06:00	2.00	DRL	2	DRLPRO	SLIDE F/ 8,055' T/ 8,060' (5') AROP 2.5 FPH, WOB 50K, PP 1035, SPM 91, 198 GPM, MOTOR 103 RPM, GAMA 39 CPS. SLIDING BACK DOWN INTO ZONE.
6/12/2008	06:00 - 12:30	6.50	DRL	2	DRLPRO	SLIDE F/ 8,060' T/ 8,070' (10') AROP 1.5 FPH, WOB 50K, PP 1035, SPM 91, 198 GPM, MOTOR 103 RPM, GAMA 47 CPS. SLIDING BACK DOWN INTO ZONE. PUMP SWEEP TO CLEAN HOLE.
	12:30 - 17:00	4.50	DRL	2	DRLPRO	ROTATE F/8,070' T/ 8,087' (17') AROP 3.7 FPH, WOB 15K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. GAMA 118 CPS. TAKE SURVEY. DRILLING ALONG TOP OF ZONE CAP.
	17:00 - 17:30	0.50	RIG	1	DRLPRO	SERVICE AND LUBRICATE RIG.
	17:30 - 01:00	7.50	DRL	1	DRLPRO	ROTATE F/8,087' T/ 8,125' (38') AROP 3.7 FPH, WOB 15K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. GAMA 89 CPS. TAKE SURVEY. DRILLING TRYING TO DROP DOWN BACK INTO TOP OF G1 LIMESTONE.
	01:00 - 06:00	5.00	DRL	2	DRLPRO	SLIDE F/ 8,125' T/ 8,140' (15') AROP 3 FPH, WOB 63K, PP 926, SPM 90, 196 GPM, MOTOR 102 RPM, GAMA 85 CPS. TRYING TO SLIDE BACK DOWN INTO ZONE.
6/13/2008	06:00 - 08:00	2.00	DRL	2	DRLPRO	ROTATE F/8,140' T/ 8,147' (7') AROP 3.5 FPH, WOB 15K, PP 1250, SPM 91, 198 GPM, MOTOR 103 RPM, ROTORY 35 RPM, BIT 138 RPM. GAMA 82.5 CPS. TAKE SURVEY. TRYING TO DROP DOWN BACK INTO TOP OF G1 LIMESTONE.
	08:00 - 12:00	4.00	DRL	2	DRLPRO	SLIDE F/ 8,147' T/ 8,156' (9') AROP 2.25 FPH, WOB 63K, PP 926, SPM 90, 196 GPM, MOTOR 102 RPM, GAMA 85 CPS. TAKE SURVEY, TRYING TO SLIDE BACK DOWN INTO ZONE.
	12:00 - 18:00	6.00	TRP	1	DRLPRO	TOOH TO L/D TRI-CONE BIT & MOTOR,
	18:00 - 19:30	1.50	TRP	1	DRLPRO	P/U M613 PDC BIT, 1.5 DEGREE, SCIENTIFIC MOTOR 1.05 REV/GAL., SURFACE TEST MOTOR,
	19:30 - 20:00	0.50	RIG	1	DRLPRO	SERVICE AND LUBRICATE RIG
	20:00 - 20:30	0.50	DRL	3	DRLPRO	ORIENT MOTOR & MWD.

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/13/2008	20:30 - 01:00	4.50	TRP	2	DRLPRO	TIH TO 950' INSTALL AGITATOR AND SHOCK SUB. SURFACE CHECK AGITATOR AND FILL PIPE. FINISH TIH.
	01:00 - 04:00	3.00	DRL	2	DRLPRO	ORIENT BHA, START 20' TROUGH SLIDE UP AND DOWN STARTING @ 8,010' AND RECIPROCATE SLIDE UP TO 7,990'.
	04:00 - 06:00	2.00	DRL	2	DRLPRO	TIME DRILL STARTING @ 8,010' TO 8,012',(2') SLIDING 1" EVERY 5 MINUTES.
6/14/2008	06:00 - 12:30	6.50	DRL	2	DRLPRO	TIME DRILL F/8,011' T/ 8,016',(5') SIDE TRACK SLIDING 1" EVERY 5 MINUTES. RETURNS SHOWING LIMESTONE AND OIL.
	12:30 - 13:00	0.50	RIG	1	DRLPRO	SERVICE AND LUBRICATE RIG.
	13:00 - 17:00	4.00	DRL	2	DRLPRO	TIME DRILL F/8,016' T/ 8,020',(4') SIDE TRACK SLIDING 1" EVERY 5 MINUTES. RETURNS SHOWING LIMESTONE AND OIL. GAMA 19 CPS.
	17:00 - 21:00	4.00	DRL	2	DRLPRO	TIME DRILL F/8,020' T/ 8,027',(7') SIDE TRACK SLIDING 1" EVERY 2.5 MINUTES. RETURNS SHOWING LIMESTONE AND OIL. GAMA 20 CPS.
	21:00 - 22:00	1.00	DRL	2	DRLPRO	SCIENTFIC DRILLING LOST COMMUNICATION W/ MWD. CHECKED GROUNDING AND UNABLE TO GAIN COMMUNICATION, PREPARE TO TOOH FILL TRIP TANK.
	22:00 - 04:30	6.50	TRP	13	DRLPRO	TOOH FOR DIRECTIONAL MWD FAILURE. AT 1000' OFF BOTTOM MWD STARTED WORKING AND ALL SYSTEMS LOOKED GOOD. STARTED BACK IN HOLE 7,427" AND MWD FAILED AGAIN. TOOH TO REPLACE MWD SYSTEM.
	04:30 - 05:30	1.00	TRP	13	DRLPRO	CHANGED OUT MWD TOOL AND EVALUATE FAILURE.
	05:30 - 06:00	0.50	TRP	2	DRLPRO	TRIP IN HOLE W/ BHA
6/15/2008	06:00 - 11:30	5.50	TRP	13	DRLPRO	FUNCTION CROWN-O-MATIC, TIH W/ REPLACED MWD TOOL.
	11:30 - 13:30	2.00	DRL	2	DRLPRO	TIME DRILL SLIDE T/8,027' F/8,030' (3'), 1" EVERY 2.5 MINUTES.
	13:30 - 16:00	2.50	DRL	2	DRLPRO	SLIDE F/8,030' T/ 8,044' (11') AROP 4.4 FPH, WOB 6K, PP 1,386, SPM 85,
	16:00 - 16:30	0.50	RIG	1	DRLPRO	SERVICE AND LUBRICATE RIG.
	16:30 - 06:00	13.50	DRL	2	DRLPRO	ROTATE F/8,044' T/ 8,201 (157') AROP 12.8 FPH, WOB 11.3K, PP 1822, SPM 90, GPM 196, MOTOR RPM 205, ROTORY RPM 32, BIT RPM 237
6/16/2008	06:00 - 07:30	1.50	DRL	2	DRLPRO	SLIDE F/8,201' T/ 8,206' (5') AROP 3.3 FPH, WOB 30K, PP 1,386, SPM 91 GPM, MOTOR 207 RPM. GAMA 61 CPS
	07:30 - 09:00	1.50	DRL	2	DRLPRO	ROTATE F/8,206' T/8,233' (27') AROP 18 FPH, WOB 11K, PP 1,815, 91 SPM, 198 GPM, MOTOR 207 RPM, ROTORY 35, BIT 242 RPM. GAMA 72 CPS,
	09:00 - 09:30	0.50	DRL	2	DRLPRO	SLIDE F/8,233' T/ 8,243' (10') WOB 30K, PP 1,386, SPM 91 GPM, MOTOR 207 RPM. GAMA 61 CPS
	09:30 - 10:30	1.00	DRL	2	DRLPRO	ROTATE F/8,243' T/8,265' (22') AROP 22 FPH, WOB 8K, PP 1,815, 91 SPM, 198 GPM, MOTOR 207 RPM, ROTORY 35, BIT 242 RPM. GAMA 106 CPS,
	10:30 - 11:00	0.50	DRL	2	DRLPRO	SLIDE F/8,265' T/ 8,272' (7') WOB 30K, PP 1,386, SPM 91 GPM, MOTOR 207 RPM. GAMA 102 CPS
	11:00 - 12:00	1.00	DRL	2	DRLPRO	ROTATE F/8,272' T/8,297' (25') AROP 25 FPH, WOB 8K, PP 1,815, 91 SPM, 198 GPM, MOTOR 207 RPM, ROTORY 35, BIT 242 RPM. GAMA 102 CPS,
	12:00 - 12:30	0.50	RIG	1	DRLPRO	SERVICE AND LUBRICATE RIG.
	12:30 - 14:00	1.50	DRL	2	DRLPRO	SLIDE F/8,297' T/ 8,329' (32') WOB 22K, PP 1,386, SPM 91 GPM, MOTOR 207 RPM. GAMA 114 CPS
	14:00 - 15:30	1.50	DRL	2	DRLPRO	WORK TIGHT HOLE.
	15:30 - 18:00	2.50	DRL	2	DRLPRO	ROTATE F/8,329' T/8,361' (32') AROP 12.8 FPH, WOB 8K, PP 1,815, 91 SPM, 198 GPM, MOTOR 207 RPM, ROTORY 35, BIT 242 RPM.

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/16/2008	15:30 - 18:00	2.50	DRL	2	DRLPRO	GAMA 44 CPS,
	18:00 - 18:30	0.50	DRL	2	DRLPRO	SLIDE F/8,361' T/ 8,367' (6') WOB 22K, PP 1,386, SPM 91 GPM, MOTOR 207 RPM. GAMA 32.5 CPS
	18:30 - 20:30	2.00	DRL	2	DRLPRO	ROTATE F/8,367' T/8,407' (40') AROP 20 FPH, WOB 8K, PP 1,815, 91 SPM, 198 GPM, MOTOR 207 RPM, ROTORY 35, BIT 242 RPM. GAMA 26.4 CPS,
	20:30 - 21:30	1.00	DRL	2	DRLPRO	SLIDE F/8,407' T/ 8,415' (8') WOB 22K, PP 1,386, SPM 91 GPM, MOTOR 207 RPM. GAMA 25.5 CPS
	21:30 - 06:00	8.50	FISH	6	DRLPRO	SUCK PIPE WHILE SLIDING, LOST DIFF PRESSURE PICKED UP AND FOUND PIPE STUCK. GOOD RETURNS TO SURFACE (90 SPM @ 196 GPM) NO PRESSURE INCREASE. WORKING PIPE FROM 140K TO 240K. MAX PULL 270K, NO MOVEMENT. FROM NEUTRAL TO 240K THERE IS 6' OF TRAVEL. ROTATING 5 ROUNDS IN NEUTRAL AND WORK DP, NO MOVEMENT AT TOOL FACE IN MWD, BIT IS CLOSE TO BOTTOM. NO DIFF PRESSURE SEEN AT SURFACE DURING PIPE MOVEMENT. CALLED 4 DIFFERENT ACID PUMP COMPANIES AND HALLIBURTON WILL BE AVAILABLE AT 12:00 PM. ALL PUMP COMPANIES ARE BUSY.
6/17/2008	06:00 - 07:00	1.00	FISH	6	DRLPRO	CONTINUE TO WORK STUCK DRILL PIPE @ 8,412'.
	07:00 - 09:00	2.00	FISH	6	DRLPRO	PULLED 240K INTO PIPE AND LET DOWN HOLE AGITATOR WORK ON FREEING PIPE.
	09:00 - 11:30	2.50	FISH	6	DRLPRO	WORK PIPE EVERY 30 MINUTES THEN PULL 24K INTO PIPE AND LET AGITATOR WORK.
	11:30 - 12:30	1.00	FISH	6	DRLPRO	DISPLACE DRILL STRING CAPASITYOF 51 BBLS W/ 50 BBLS OF CRUDE (961 STROKES). DISPLACE 40 BBLS OF CRUDE INTO OH W/ 769 STROKES, PUMP AN ADDITIONAL 2 BBLS W/ 38 STROKES.
	12:30 - 14:00	1.50	FISH	4	DRLPRO	PULL 270K AND HOLD, WORK EVERY 5 MIN. AND PUMP 2 BBLS EVERY 5 MIN.
	14:00 - 15:00	1.00	FISH	6	DRLPRO	SLACK OFF TO 100K TURN PUMPS ON THEN OFF EVERY 30 MIN.
	15:00 - 16:00	1.00	FISH	6	DRLPRO	PULL 270K AND HOLD, WORK EVERY 5 MIN.
	16:00 - 17:00	1.00	FISH	6	DRLPRO	SLACK OFF TO 40K AND HOLD.
	17:00 - 18:00	1.00	FISH	6	DRLPRO	PULL 270K AND HOLD, WORK EVERY 5 MIN.
	18:00 - 19:00	1.00	FISH	6	DRLPRO	SLICK OFF TO 40K AND HOLD.
	19:00 - 19:30	0.50	FISH	6	DRLPRO	PULL 270K AND HOLD, WORK EVERY 5 MIN.
	19:30 - 20:30	1.00	FISH	6	DRLPRO	SLACK OFF TO STRING WEIGHT AND HOLD TORQUE IN STRING.
	20:30 - 21:00	0.50	FISH	6	DRLPRO	PULL 270K AND HOLD, WORK EVERY 5 MIN.
	21:00 - 23:30	2.50	CIRC	1	DRLPRO	BROKE FREE WITH NO OVER PULL WHILE RECIPROCTING AND ROTATING UP & DN 70'. DISPACE OIL FROM HOLE AND PUMP 45 BBL HIGH VIS. SWEEP.
	23:30 - 00:00	0.50	DRL	2	DRLPRO	SLIDE F/8,412' T/ 8,419' (7') WOB 18K, PP 1,386, SPM 91 GPM, MOTOR 207 RPM. GAMA 25.5 CPS
	00:00 - 01:30	1.50	TRP	14	DRLPRO	SHORT TRIP OUT 6 STANDS WITH TIGHT SPOTS @ 8,322', 8,232', 8,059' & SIDE TRACK WINDOW @ 8,015' MAX PULL 40K OVER STRING WT. TIH WITH TIGHT SPOTS AT THE SAME PLACES TAKING 30K TO GO THROUGH. TAKING WEIGHT SEVERAL TIMES BEFORE GOING IN. OVERALL HOLE CONDITION LOOKED GOOD WITH NO ADDITONAL DRAG.
	01:30 - 06:00	4.50	DRL	2	DRLPRO	ROTATE F/8,419' T/8478' (59') AROP 13 FPH, WOB 8K, PP 1,900, 91 SPM, 198 GPM, MOTOR 207 RPM, ROTORY 35, BIT 242 RPM. GAMA 35 CPS,
6/18/2008	06:00 - 13:00	7.00	TRP	13	DRLPRO	FILL TRIP TANK, TOOH WORKING THROUGH TIGHT SPOTS @ 8,322', 8,232', 8,059' & SIDE TRACK WINDOW @ 8,015' MAX PULL 40K OVER STRING WT.

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/18/2008	13:00 - 14:30	1.50	TRP	1	DRLPRO	CHANGE OUT BIT, MOTOR & MWD EQUIPMENT.
	14:30 - 15:00	0.50	RIG	1	DRLPRO	SERVICE RIG AND LUBRICATE.
	15:00 - 21:00	6.00	TRP	13	DRLPRO	TIH W/ DIRECTIONAL EQUIPMENT.
	21:00 - 22:00	1.00	RIG	1	DRLPRO	SLIP AND CUT DRILL LINE.
	22:00 - 23:00	1.00	TRP	13	DRLPRO	INSTALL ROTATING HEAD AND FINISH TIH. WENT IN OLD WELL BORE PAST OPEN HOLE SIDE TRACK @ 8,015'. PULLED BACK UP AND RE-ORIENTED, WENT INTO SIDE TRACK WELL BORE.
	23:00 - 23:30	0.50	DRL	2	DRLPRO	SLIDE F/8,478' T/ 8,488' (10') WOB 32K, PP 1,975, SPM 91 GPM, MOTOR 207 RPM. GAMA 25.5 CPS
	23:30 - 03:00	3.50	DRL	2	DRLPRO	ROTATE F/8,488' T/8,535' (47') AROP 13.4 FPH, WOB 8K, PP 2014, 21 SPM, 198 GPM, MOTOR 207 RPM, ROTORY 35, BIT 242 RPM. GAMA 35 CPS,
	03:00 - 03:30	0.50	DRL	2	DRLPRO	SLIDE F/8,535' T/ 8,540' (5') WOB 32K, PP 1,970, SPM 91 GPM, MOTOR 207 RPM. GAMA 35.5 CPS
	03:30 - 04:30	1.00	DRL	2	DRLPRO	ROTATE F/8,540' T/8,552' (12') AROP 12 FPH, WOB 8K, PP 2014, 21 SPM, 198 GPM, MOTOR 207 RPM, ROTORY 35, BIT 242 RPM. GAMA 44 CPS,
	04:30 - 05:00	0.50	DRL	2	DRLPRO	SLIDE F/8,552' T/ 8,558' (6') WOB 30K, PP 1,977, SPM 91 GPM, MOTOR 207 RPM. GAMA 37 CPS
	05:00 - 06:00	1.00	DRL	2	DRLPRO	ROTATE F/8,558' T/8,584' (26') AROP 26 FPH, WOB 8K, PP 2014, 21 SPM, 198 GPM, MOTOR 207 RPM, ROTORY 35, BIT 242 RPM. GAMA 44 CPS,
6/19/2008	06:00 - 15:30	9.50	DRL	2	DRLPRO	ROTATE DRILL FROM 8584 FEET TO 8745 FEET 90 SPM = 196 G.P.M. BIT WT= 7.5 TO 8.5 K PENT RATE = 20 TO 30 F.P.H, SPP 2050
	15:30 - 16:00	0.50	RIG	1	DRLPRO	GREASE SWIVEL, BLOCKS, AND FUNCTION TEST PIPE RAMS
	16:00 - 17:00	1.00	DRL	2	DRLPRO	ROTATE DRILL FROM 8745 TO 8777
	17:00 - 18:30	1.50	TRP	14	DRLPRO	SHORT TRIP FROM 8777 FEET TO 8050 FEET
	18:30 - 19:00	0.50	DRL	2	DRLPRO	SLIDE DRILL FROM 8777 TO 8782 FEET
	19:00 - 01:00	6.00	DRL	2	DRLPRO	ROTATE DRILL FROM 8782 FT TO 8889 FEET
	01:00 - 01:30	0.50	DRL	2	DRLPRO	SLIDE DRILL FROM 8889 FEET TO 8893 FEET (SLIDE 4 FEET WORK TIGHT HOLE)
	01:30 - 04:30	3.00	DRL	2	DRLPRO	ROTATE DRILL FROM 8893 FEET TO 8937 FEET
	04:30 - 05:00	0.50	DRL	2	DRLPRO	SLIDE DRILL FROM 8937 FEET TO 8939 FEET (WORK TIGHT HOLE)
	05:00 - 06:00	1.00	DRL	2	DRLPRO	ROTATE DRILL FROM 8939 FEET TO 8950
6/20/2008	06:00 - 07:00	1.00	TRP	14	DRLPRO	TRIP IN THE HOLE AFTER TRIP OUT TO 8050 FEET
	07:00 - 14:00	7.00	DRL	2	DRLPRO	DIRECTIONAL DRILLL (ROTATE FROM 8950 - 8952 FEET SLIDE FROM 8952 FEET TO 8957 FEET ROTATE FROM 8957 TO 8969 FEET ROTATE FROM 8969 TO 9059 FEET
	14:00 - 14:30	0.50	RIG	1	DRLPRO	RIG SERVICE GREASE CROWN & SWIVEL FUNCTION TEST PIPE RAMS
	14:30 - 15:30	1.00	DRL	2	DRLPRO	ROTATE DRILL FROM 9059 TO 9115 FEET
	15:30 - 16:30	1.00	FISH	6	DRLPRO	WORK TIGHT HOLE @ 9115 FEET (PUMP HIGH VIS SWEEP)
	16:30 - 18:00	1.50	DRL	2	DRLPRO	DRILL ROTATE FROM 9115 TO 9120 FEET SLIDE FROM 9120 TO 9125 FEET
	18:00 - 18:30	0.50	DRL	2	DRLPRO	SLIDE FROM 9125 FEET TO 9129
	18:30 - 19:30	1.00	DRL	2	DRLPRO	ROTATE DRILL FROM 9129 FEET TO 9150 FEET
	19:30 - 21:00	1.50	DRL	2	DRLPRO	SLIDE DRILL FROM 9150 TO 9155 FEET
	21:00 - 23:00	2.00	TRP	14	DRLPRO	SHORT TRIP FROM 9155 FEET TO 8050 FEET
	23:00 - 00:00	1.00	DRL	2	DRLPRO	SLIDE DRILL FROM 9155 TO 9161 FEET
	00:00 - 06:00	6.00	DRL	2	DRLPRO	ROTATE DRILL FROM 9161 TO 9257 FEET 100% LIMESTONE @ 9180 FEET

Operations Summary Report

Legal Well Name: BRENNAN 1 (13-7S-20E)
Common Well Name: BRENNAN 1 (13-7S-20E) Spud Date: 7/21/2006
Event Name: RE-ENTER Start: 5/26/2008 End: 6/22/2008
Contractor Name: Ensign Drilling USD Rig Release: 6/22/2008 Group:
Rig Name: ENSIGN Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/21/2008	06:00 - 09:00	3.00	DRL	2	DRLPRO	ROTATE DRILL FROM 9257 FEET TO 9320 FEET T.D.
	09:00 - 11:00	2.00	TRP	14	DRLPRO	TRIP OUT TO 14 STANDS TO 8035 FEET FUNCTION CROWN-O-MATIC
	11:00 - 11:30	0.50	REAM	1	DRLPRO	WASH & REAM THROUGH THE SIDETRACK FROM 8035 FEET TO 8075 FEET
	11:30 - 13:00	1.50	TRP	14	DRLPRO	TRIP OUT TO THE WINDOW @ 6130 FEET
	13:00 - 16:30	3.50	TRP	14	DRLPRO	TRIP IN THE HOLE TO 9320 FEET (NO PROBLEMS)
	16:30 - 18:30	2.00	CIRC	1	DRLPRO	CIRC @ 100 STKS AND PUMP A HIGH VIS SWEEP TO SURFACE
	18:30 - 02:00	7.50	TRP	2	DRLPRO	TRIP OUT FOR THE PERFORATED LINER S.L.M.= 9313.23 BOARD = 9320 FEET) NO CORRECTION
	02:00 - 03:30	1.50	TRP	1	DRLPRO	LAY DOWN ALL DIRECTIONAL TOOLS AND LOAD THE OUT
	03:30 - 05:00	1.50	CSG	1	DRLPRO	HOLD PRE JOB SAFETY MEETING & RIG UP CASING CREWS & LAY DOWN MACHINE RUN 4 1/2" LINNER
	05:00 - 06:00	1.00	CSG	2	DRLPRO	RUN 4 1/2" P-110 LT&C LINER AND PERFORATED LINER
6/22/2008	06:00 - 07:00	1.00	CSG	2	DRLPRO	RUN 52 JTS OF 4 1/2" 11.6 # PERFORATED CASING & 23 JTS OF 4 1/2 " 13.5 # BLANK CASING
	07:00 - 08:00	1.00	CSG	1	DRLPRO	RIG DOWN CASING CREWS AND THE LAY DOWN MACHINE
	08:00 - 11:30	3.50	TRP	2	DRLPRO	MAKE UP LINNER SETTING TOOLS AND TRIP IN WITH DRILL PIPE
	11:30 - 13:00	1.50	FISH	6	DRLPRO	WORK STUCK LINNER AT 9082 FEET COULD NOT GET FREE
	13:00 - 13:30	0.50	FISH	6	DRLPRO	RELEASE THE LINNER SETTING TOOL SETTING THE LINNER 238 FEET OFF BOTTOM LINNER TOP = 5826 FEET
	13:30 - 17:30	4.00	TRP	3	DRLPRO	LAY DOWN DRILL PIPE, ROTATING HEAD RUBBER, AND LINNER SETTING TOOLS
	17:30 - 18:00	0.50	CSG	1	DRLPRO	RIG DOWN THE LAY DOWN MACHINE
	18:00 - 19:00	1.00	TRP	2	DRLPRO	TRIP IN THE HOLE WITH THE EXTRA DRILL PIPE AND THE H.W.D.P.
	19:00 - 21:00	2.00	TRP	3	DRLPRO	LAY DOWN THE DRILL PIPE TO THE HWDP
	21:00 - 22:00	1.00	OTH		DRLPRO	BREAK ALL THE CONNECTIONS ON THE KELLY
	22:00 - 00:30	2.50	TRP	1	DRLPRO	LAY DOWN THE H.W.D.P.
	00:30 - 01:30	1.00	CSG	1	DRLPRO	RIG DOWN THE LAY DOWN MACHINE AND LOAD IT OUT
	01:30 - 04:00	2.50	LOG	4	DRLPRO	HOLD PRE JOB SAFETY MEETING AND RIG UP THE WIRE LINE TRUCK RUN THE JUNK BASKET AND SET THE BRIDGE PLUG @ 5675 FEET
	04:00 - 06:00	2.00	BOP	1	DRLPRO	NIPPLE DOWN THE B.O.P'S
6/23/2008	06:00 - 12:00	6.00	BOP	1	DRLPRO	NIPPLE DOWN THE B.O.P'S, DUMP AND CLEAN MUD PITS
	12:00 - 06:00	18.00	LOC	4	DRLPRO	RELEASE RIG @ 12:00PM, RIG DOWN TABLE, LOAD OUT RENTAL EQUIPMENT, LD DERRICK @15:00, GENERAL RIG DOWN, TRUCKS COMING @07:00

43-047-15417
13 7S 20E

CONFIDENTIAL

Scientific Drilling

Directional Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

Operator	Questar Exploration & Production
Well Name & No.	Brennan Federal 1 South Lateral Re-Entry
County & State	Uintah County, UT
SDI Job No.	41DEF0805393
Rig	Ensign 57

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 6100 feet to a measured depth of 9257 feet is true and correct as determined from all available records.

Julie Cruse
Signature

29-Jun-08
Date

Julie Cruse
Rockies Region Engineer
Scientific Drilling - Rocky Mountain District

Scientific Drilling
Rocky Mountain Operations

Project: Uintah County, UT NAD27
Site: Brennan Federal 1
Well: Brennan Federal 1
Wellbore: South Lateral Re-Entry
Design: South Lateral Re-Entry

Questar Exploration & Production

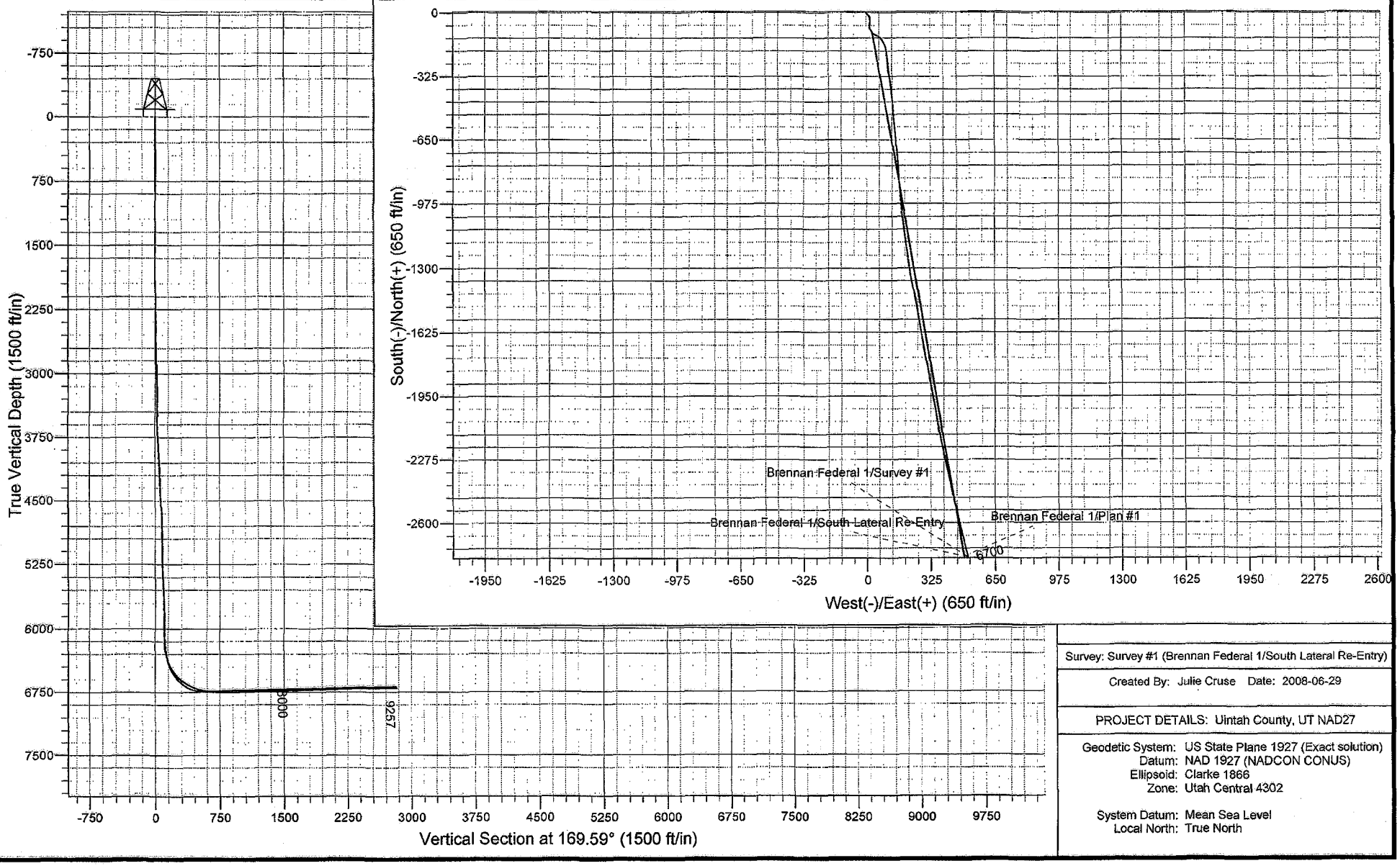
T MAzimuths to True North
Magnetic North: 11.53°

Magnetic Field
Strength: 52756.6snT
Dip Angle: 66.10°
Date: 2008-05-22
Model: IGRF2005-10

WELL DETAILS: Brennan Federal 1

GL 4820' & RKB 16' @ 4836.00ft (Ensign 57) 4820.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	688872.30	2527981.65	40° 12' 33.552 N	109° 36' 33.984 W



Survey: Survey #1 (Brennan Federal 1/South Lateral Re-Entry)

Created By: Julie Cruse Date: 2008-06-29

PROJECT DETAILS: Uintah County, UT NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302

System Datum: Mean Sea Level
Local North: True North

Questar Exploration & Production

Uintah County, UT NAD27
Brennan Federal 1
Brennan Federal 1
South Lateral Re-Entry

Survey: Survey #1

Standard Survey Report

29 June, 2008

Scientific Drilling

Survey Report

Company:	Questar Exploration & Production	**Local Co-ordinate Reference:**	Well Brennan Federal 1
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Site:	Brennan Federal 1	**MD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Well:	Brennan Federal 1	**North Reference:**	True
Wellbore:	South Lateral Re-Entry	**Survey Calculation Method:**	Minimum Curvature
Design:	South Lateral Re-Entry	**Database:**	EDM 2003.16 Multi-User Db

Project	Uintah County, UT NAD27		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Brennan Federal 1, Sec 13 T7S R20E				
Site Position:		**Northing:**	688,872.31 ft	**Latitude:**	40° 12' 33.552 N
From:	Lat/Long	**Easting:**	2,527,981.65 ft	**Longitude:**	109° 36' 33.984 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.21 °

Well	Brennan Federal 1, 1980' FSL 660' FEL					
Well Position	**+N/-S**	0.00 ft	**Northing:**	688,872.30 ft	**Latitude:**	40° 12' 33.552 N
	+E/-W	0.00 ft	**Easting:**	2,527,981.65 ft	**Longitude:**	109° 36' 33.984 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,820.00 ft

Wellbore	South Lateral Re-Entry				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2005-10	2008-05-22	11.53	66.10	52,757

Design	South Lateral Re-Entry				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	6,100.00
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.00	0.00	0.00	169.59	

Survey Program **Date** 2008-06-29

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	6,100.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
6,298.00	9,257.00	Survey #1 (South Lateral Re-Entry)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,100.00	2.13	165.53	6,098.11	-102.66	29.43	106.29	0.00	0.00	0.00
6,298.00	12.34	113.82	6,294.37	-114.80	49.77	121.91	5.63	5.16	-26.12
6,329.00	14.59	116.80	6,324.52	-117.90	56.28	126.13	7.59	7.26	9.61
6,362.00	16.51	124.56	6,356.31	-122.44	63.86	131.96	8.57	5.82	23.52
6,393.00	18.33	133.22	6,385.89	-128.28	71.04	139.00	10.20	5.87	27.94
6,425.00	20.62	141.55	6,416.07	-136.14	78.21	148.03	11.23	7.16	26.03
6,457.00	23.65	148.24	6,445.71	-146.01	85.10	158.98	12.30	9.47	20.91
6,489.00	26.32	154.58	6,474.72	-157.88	91.52	171.82	11.81	8.34	19.81
6,521.00	29.42	161.29	6,503.01	-171.74	97.09	186.46	13.77	9.69	20.97
6,552.00	32.19	168.25	6,529.64	-187.04	101.22	202.25	14.55	8.94	22.45
6,584.00	35.32	172.22	6,556.25	-204.56	104.21	220.02	11.96	9.78	12.41
6,616.00	38.76	174.08	6,581.79	-223.69	106.49	239.25	11.30	10.75	5.81

Scientific Drilling

Survey Report

Company:	Questar Exploration & Production	**Local Co-ordinate Reference:**	Well Brennan Federal 1
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Site:	Brennan Federal 1	**MD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Well:	Brennan Federal 1	**North Reference:**	True
Wellbore:	South Lateral Re-Entry	**Survey Calculation Method:**	Minimum Curvature
Design:	South Lateral Re-Entry	**Database:**	EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,647.00	41.89	174.56	6,605.42	-243.65	108.48	259.24	10.15	10.10	1.55
6,676.00	44.17	175.64	6,626.61	-263.37	110.16	278.94	8.26	7.86	3.72
6,708.00	48.08	176.20	6,648.79	-286.37	111.80	301.86	12.28	12.22	1.75
6,739.00	52.20	172.25	6,668.66	-310.03	114.22	325.57	16.50	13.29	-12.74
6,771.00	56.59	171.15	6,687.28	-335.77	117.98	351.56	14.00	13.72	-3.44
6,803.00	62.60	172.82	6,703.47	-363.09	121.81	379.12	19.31	18.78	5.22
6,835.00	69.06	173.30	6,716.57	-392.05	125.33	408.25	20.23	20.19	1.50
6,868.00	76.95	175.13	6,726.21	-423.42	128.50	439.67	24.49	23.91	5.55
6,899.00	84.08	175.14	6,731.31	-453.87	131.09	470.09	23.00	23.00	0.03
6,931.00	85.16	174.44	6,734.31	-485.60	133.99	501.82	4.02	3.37	-2.19
6,963.00	85.25	174.61	6,736.99	-517.34	137.03	533.59	0.60	0.28	0.53
6,995.00	85.22	174.74	6,739.65	-549.09	139.99	565.35	0.42	-0.09	0.41
7,027.00	86.21	174.44	6,742.04	-580.86	143.00	597.14	3.23	3.09	-0.94
7,059.00	86.57	175.28	6,744.05	-612.67	145.86	628.94	2.85	1.12	2.62
7,090.00	88.29	175.22	6,745.44	-643.53	148.42	659.76	5.55	5.55	-0.19
7,122.00	88.59	176.06	6,746.31	-675.42	150.86	691.56	2.79	0.94	2.62
7,154.00	88.39	176.04	6,747.16	-707.34	153.06	723.35	0.63	-0.62	-0.06
7,186.00	88.19	175.49	6,748.11	-739.23	155.42	755.15	1.83	-0.62	-1.72
7,218.00	88.02	175.87	6,749.17	-771.13	157.83	786.95	1.30	-0.53	1.19
7,250.00	88.59	175.76	6,750.12	-803.03	160.16	818.75	1.81	1.78	-0.34
7,282.00	88.62	175.06	6,750.89	-834.91	162.72	850.58	2.19	0.09	-2.19
7,314.00	91.58	174.90	6,750.84	-866.79	165.52	882.43	9.26	9.25	-0.50
7,345.00	92.31	174.53	6,749.79	-897.64	168.38	913.29	2.64	2.35	-1.19
7,377.00	92.35	174.01	6,748.49	-929.45	171.57	945.15	1.63	0.12	-1.62
7,409.00	94.13	174.22	6,746.68	-961.23	174.85	977.00	5.60	5.56	0.66
7,441.00	94.23	173.80	6,744.34	-992.97	178.18	1,008.82	1.35	0.31	-1.31
7,473.00	92.96	172.84	6,742.34	-1,024.69	181.89	1,040.69	4.97	-3.97	-3.00
7,505.00	91.21	172.98	6,741.17	-1,056.42	185.84	1,072.61	5.49	-5.47	0.44
7,537.00	90.57	173.25	6,740.68	-1,088.19	189.67	1,104.55	2.17	-2.00	0.84
7,569.00	91.95	173.16	6,739.97	-1,119.96	193.46	1,136.48	4.32	4.31	-0.28
7,600.00	90.98	172.02	6,739.18	-1,150.69	197.46	1,167.42	4.83	-3.13	-3.68
7,632.00	89.87	171.15	6,738.94	-1,182.34	202.14	1,199.40	4.41	-3.47	-2.72
7,664.00	91.01	171.12	6,738.70	-1,213.96	207.07	1,231.39	3.56	3.56	-0.09
7,696.00	91.21	171.71	6,738.08	-1,245.59	211.85	1,263.37	1.95	0.62	1.84
7,728.00	92.62	172.10	6,737.01	-1,277.25	216.35	1,295.32	4.57	4.41	1.22
7,759.00	93.09	171.76	6,735.46	-1,307.91	220.70	1,326.26	1.87	1.52	-1.10
7,791.00	90.40	170.28	6,734.49	-1,339.50	225.69	1,358.23	9.59	-8.41	-4.62
7,823.00	90.84	169.25	6,734.14	-1,370.99	231.37	1,390.23	3.50	1.37	-3.22
7,857.00	91.78	168.16	6,733.37	-1,404.32	238.03	1,424.21	4.23	2.76	-3.21
7,887.00	91.11	169.82	6,732.61	-1,433.76	243.76	1,454.20	5.97	-2.23	5.53
7,919.00	92.11	169.29	6,731.71	-1,465.21	249.56	1,486.19	3.54	3.12	-1.66
7,951.00	92.05	170.54	6,730.55	-1,496.70	255.16	1,518.17	3.91	-0.19	3.91
8,038.00	92.45	170.43	6,727.13	-1,582.43	269.53	1,605.09	0.48	0.46	-0.13
8,067.00	91.68	170.18	6,726.09	-1,611.00	274.41	1,634.07	2.79	-2.66	-0.86
8,099.00	91.37	170.02	6,725.24	-1,642.51	279.91	1,666.05	1.09	-0.97	-0.50
8,131.00	91.58	169.61	6,724.41	-1,674.00	285.56	1,698.04	1.44	0.66	-1.28
8,163.00	92.05	170.14	6,723.40	-1,705.48	291.19	1,730.03	2.21	1.47	1.66
8,195.00	92.04	169.81	6,722.26	-1,736.98	296.75	1,762.00	1.03	-0.03	-1.03
8,227.00	91.54	170.30	6,721.26	-1,768.48	302.28	1,793.99	2.19	-1.56	1.53
8,259.00	91.34	170.21	6,720.45	-1,800.01	307.69	1,825.98	0.69	-0.62	-0.28
8,291.00	91.41	169.50	6,719.69	-1,831.50	313.33	1,857.97	2.23	0.22	-2.22
8,323.00	89.50	169.57	6,719.43	-1,862.96	319.14	1,889.96	5.97	-5.97	0.22
8,354.00	88.45	169.41	6,719.99	-1,893.44	324.79	1,920.96	3.43	-3.39	-0.52
8,386.00	88.83	169.41	6,720.75	-1,924.88	330.67	1,952.95	1.19	1.19	0.00

Scientific Drilling

Survey Report

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Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Site:	Brennan Federal 1	**MD Reference:**	GL 4820' & RKB 16' @ 4836.00ft (Ensign 57)
Well:	Brennan Federal 1	**North Reference:**	True
Wellbore:	South Lateral Re-Entry	**Survey Calculation Method:**	Minimum Curvature
Design:	South Lateral Re-Entry	**Database:**	EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,418.00	90.00	169.30	6,721.07	-1,956.33	336.58	1,984.95	3.67	3.66	-0.34
8,450.00	90.74	170.07	6,720.87	-1,987.81	342.31	2,016.94	3.34	2.31	2.41
8,482.00	91.75	169.81	6,720.17	-2,019.31	347.90	2,048.94	3.26	3.16	-0.81
8,514.00	92.82	170.25	6,718.89	-2,050.80	353.44	2,080.91	3.62	3.34	1.37
8,546.00	92.21	170.36	6,717.49	-2,082.32	358.82	2,112.88	1.94	-1.91	0.34
8,578.00	90.80	169.32	6,716.65	-2,113.80	364.46	2,144.86	5.47	-4.41	-3.25
8,610.00	91.01	169.69	6,716.14	-2,145.26	370.29	2,176.86	1.33	0.66	1.16
8,643.00	91.68	169.47	6,715.37	-2,177.71	376.26	2,209.85	2.14	2.03	-0.67
8,675.00	92.01	168.23	6,714.34	-2,209.09	382.44	2,241.83	4.01	1.03	-3.87
8,707.00	92.45	167.73	6,713.09	-2,240.36	389.10	2,273.79	2.08	1.37	-1.56
8,739.00	91.71	167.87	6,711.93	-2,271.62	395.86	2,305.76	2.35	-2.31	0.44
8,771.00	91.24	167.12	6,711.11	-2,302.85	402.78	2,337.72	2.77	-1.47	-2.34
8,803.00	90.47	167.53	6,710.63	-2,334.07	409.81	2,369.70	2.73	-2.41	1.28
8,836.00	91.11	168.06	6,710.18	-2,366.32	416.78	2,402.68	2.52	1.94	1.61
8,867.00	91.64	168.49	6,709.43	-2,396.66	423.08	2,433.66	2.20	1.71	1.39
8,899.00	91.85	168.06	6,708.46	-2,427.98	429.58	2,465.63	1.49	0.66	-1.34
8,931.00	92.35	168.59	6,707.29	-2,459.30	436.05	2,497.61	2.28	1.56	1.66
8,963.00	91.14	167.92	6,706.31	-2,490.61	442.56	2,529.58	4.32	-3.78	-2.09
8,995.00	91.41	168.15	6,705.60	-2,521.91	449.19	2,561.56	1.11	0.84	0.72
9,027.00	91.78	167.91	6,704.71	-2,553.20	455.83	2,593.54	1.38	1.16	-0.75
9,059.00	91.98	166.87	6,703.66	-2,584.41	462.81	2,625.50	3.31	0.62	-3.25
9,091.00	92.28	167.27	6,702.47	-2,615.58	469.96	2,657.44	1.56	0.94	1.25
9,155.00	90.67	165.94	6,700.82	-2,677.81	484.79	2,721.33	3.26	-2.52	-2.08
9,187.00	90.54	165.53	6,700.48	-2,708.82	492.67	2,753.26	1.34	-0.41	-1.28
9,257.00	90.54	165.53	6,699.82	-2,776.60	510.16	2,823.08	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Brennan 1 PBHL	0.00	0.00	6,684.00	-2,776.46	489.57	686,106.81	2,528,529.79	40° 12' 6.112 N	109° 36' 27.674 W
- survey misses target center by 25.46ft at 9251.87ft MD (6699.87 TVD, -2771.63 N, 508.88 E)									
- Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
6,100.00	6,098.11	-102.66	29.43	TIP
6,298.00	6,294.37	-114.80	49.77	First MWD Survey
9,257.00	6,699.82	-2,776.60	510.16	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

UTAH DIVISION OF OIL, GAS AND MINING

NOTICE OF REPORTING PROBLEMS

Operator: Questar Exploration & Production Co Account: N5085 Today's Date: 10/23/2008

Problems:

- [x] Late Report(s)
- [ ] Inaccurate Report(s)
- [ ] Incomplete Report(s)
- [ ] Other: _____

Failure to submit reports in a timely, accurate, and complete manner may result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

To avoid compliance action, these reporting problems should be resolved within 7 days.

Send reports to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Fax to:

(801) 359-3940

43-047-15417
13 7S 20E
Brennan 1

Type of Report	Month(s) of Problem Report
☐ Production – Form 10 ☐ Disposition – Form 11 ☐ Gas Plant – Form 13 ☐ Enhanced Recovery – UIC Form 2 ☐ Injection – UIC Form 3 ☐ Other _____	

Type of Report	Well Name(s)	API Number(s)	Drilling Commenced
☐ Spud Notice – Form 9 ☑ Drilling Reports – Form 9 ☐ Well Completion Report – Form 8 ☐ Other _____	☑ List Attached		

Description of Problem:

Per R649-3-6 2.4 The operator shall submit a monthly status report for each drilling well on Form 9, Sundry Notice and Reports on Wells. The report should include the well depth and a description of the operations conducted on the well during the month.

If you have questions or concerns regarding this matter, please contact Rachel Medina at (801) 538-5260 .

cc: Compliance File
RAM
Well File
CHD

UTAH DIVISION OF OIL, GAS AND MINING

NOTICE OF REPORTING PROBLEMS

ATTACHMENT

Operator: Questar Exploration & Production Co Account: N5085 Today's Date: 10/23/2008

Well Names	API Numbers	Drilling Commenced
RWS 8D-5-9-24	4304737307	01/11/2008
RW 04-25B	4304736982	02/05/2008
SCS 5C-32-14-19	4304738963	03/17/2008
FR 4P-21-14-20	4304739811	03/30/2008
WV 7BD-23-8-21	4304739044	04/12/2008
GB 15D-27-8-21	4304739662	04/26/2008
Brennan 1	4304715417	05/28/2008
WRU GB 13G-3-8-22	4304739792	06/08/2008
GD 1G-34-9-15	4301333827	06/13/2008
GD 16G-35-9-15	4301333833	06/13/2008

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTSL-065342

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other: Re-Entry - Lateral 3

6. If Indian, Allottee or Tribe Name: N/A

7. Unit or CA Agreement Name and No.: BRENNAN BOTTOM - GR

2. Name of Operator: Questar Exploration & Production Co.

8. Lease Name and Well No.: BRENNAN 1

3. Address: 11002 EAST 17500 SOUTH - VERNAL, UT 84078

3a. Phone No. (include area code): 435.781.4342 - Dahn Caldwell

9. AFI Well No.: 43-047-15417

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface: 1980' FSL, 660' FEL, NESE, SEC 13-T7S-R20E, SLBM

~~1980' FSL, 660' FEL, NESE, SEC 13-T7S-R20E, SLBM~~

At top prod. interval reported below: 197 fnl 150 fel

At total depth: ~~1980' FSL, 660' FEL, NESE, SEC 13-T7S-R20E, SLBM~~ per HSM review

10. Field and Pool or Exploratory: Undesignated

11. Sec., T., R., M., on Block and Survey or Area: Sec 13-T7S-R20E

12. County or Parish: UINTAH

13. State: UT

14. Date Spudded: 07/06/1953

15. Date T.D. Reached: 06/20/2008

16. Date Completed: ☐ D & A ☑ Ready to Prod. 07/14/2008

17. Elevations (DF, RKB, RT, GL)*: 4843' KB

18. Total Depth: MD 9320' TVD 6701'

19. Plug Back T.D.: MD 9070' TVD 6703

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
No Open Hole Logs run

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☑ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
6-1/8"	4-1/2"/P-110	11.6#	6840'	9082'		None	None	None	None
6-1/8"	4-1/2"/P-110	13.5#	5838'	6840'		None	None	None	None

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	5797'	N/A			N/A			

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER G-1 LIME			6840' - 9082'			Pre-perf Liner
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
Lateral 3 - 6175' - 6183'	Acidized w/ 18,000 gals of 15% HCL Acid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/14/08	7/16/08	24	→	192	75	134			Pumping

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
	130	100	→					Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

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*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
G-1 Lime	7090' MD				

32. Additional remarks (include plugging procedure):

Re-Entry for third lateral. No Open Hole Logs in the lateral, just MWD-GR. Uphole tops from vertical hole were Green River formation. G-1 Lime top @ 7090' MD in Lateral 3 (MWD-GR top); Per our Geologist.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* JIM SIMONTON Title COMPLETION SUPERVISOR

Signature Jim Simonton (dfg) Date 12/03/2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

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Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

Change of Operator (Well Sold) — **X - Operator Name Change**

The operator of the well(s) listed below has changed, effective: **6/14/2010**

FROM: (Old Operator):	**TO:** (New Operator):
N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048

CA No. **Unit:** **BRENNAN BOTTOM**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/24/2010
4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
5a. (R649-9-2)Waste Management Plan has been received on: Requested
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 6/30/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 6/30/2010
3. Bond information entered in RBDMS on: 6/30/2010
4. Fee/State wells attached to bond in RBDMS on: 6/30/2010
5. Injection Projects to new operator in RBDMS on: 6/30/2010
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 965010693
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached

7. UNIT or CA AGREEMENT NAME: See attached

1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: See attached

2 NAME OF OPERATOR: Questar Exploration and Production Company N5085

9. API NUMBER: Attached

3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265

PHONE NUMBER: (303) 672-6900

10. FIELD AND POOL, OR WILDCAT: See attached

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached

COUNTY: Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 6/14/2010	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024) N3700

Utah State Bond Number: ~~965003033~~ 965010695

Fee Land Bond Number: ~~965003033~~ 965010695

BIA Bond Number: ~~799446~~ 965010693

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE Morgan Anderson DATE 6/23/2010

(This space for State use only)

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APPROVED 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
BRENNAN BOTTOM
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type
BRENNAN 1	13	070S	200E	4304715417	5261	Federal	OW
BRENNAN 3	17	070S	210E	4304715419	10750	Federal	OW
BRENNAN 6	19	070S	210E	4304730109	5261	Federal	OW
BRENNAN 8	17	070S	210E	4304731509	5290	Federal	OW
BRENNAN 9	18	070S	210E	4304732477	5261	Federal	OW
BRENNAN 10	19	070S	210E	4304732771	5261	State	OW
BRENNAN 14	18	070S	210E	4304732774	5261	Federal	OW
BRENNAN 12	18	070S	210E	4304732779	5261	Federal	OW
BBW 11G-20-7-21	20	070S	210E	4304736516	15176	Federal	OW
BRENNAN 2R	18	070S	210E	4304740125		Federal	OW
BRENNAN 7R	13	070S	200E	4304740197	17632	Federal	OW
BRENNAN 15	13	070S	200E	4304740198	5261	Federal	OW

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov/ut/st/en.html

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3100
(UT-922)

JUL 2 8 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals Roger L Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

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